

NEW

DEFINING BATTLES OF WORLD WAR II

*THE KEY CONFLICTS
AND OPERATIONS
FROM HISTORY'S
BLOODIEST WAR*

FROM THE MAKERS OF
**HISTORY
WAR**

**Digital
Edition**

FUTURE

BATTLE OF BRITAIN



OKINAWA



PEARL HARBOR



STALINGRAD



DEFINING BATTLES OF WORLD WAR II

On 1 September 1939, Hitler's army marched into Poland. Two days later Britain and France declared war on Nazi Germany. Just over 20 years after the end of the Great War, in which 20 million people died, the world was back in the clutches of a global conflict that would become the deadliest in history. For over five years battles raged around the globe, from Europe and Asia to the Atlantic and Pacific. In *Defining Battles of World War II* we take an in-depth look at some of the most significant campaigns and key battles of the conflict, from early German manoeuvres in Western Europe and Hitler's fateful decision to invade the Soviet Union, to the Japanese attacks on Pearl Harbor and Singapore. We discover how the US took control at Midway, the Soviets stood firm at Stalingrad and the British won the day at El Alamein, as well as the Allies' final decisive victories as the war drew to a close. In addition to the fascinating features, we also bring you stunning battle maps, iconic imagery, and explore the key events and defining moments that led the world to war once again.





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DEFINING BATTLES OF WORLD WAR II

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Bournemouth, Dorset, BH2 6EZ

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Getty Images, Alamy, Wiki

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Willenhall, West Midlands, WV13 3XT


Distributed by Marketforce, 5 Churchill Place, Canary Wharf, London, E14 5HU
www.marketforce.co.uk Tel: 0203 787 9001

Defining Battles of World War II First Edition (HWPB3343)

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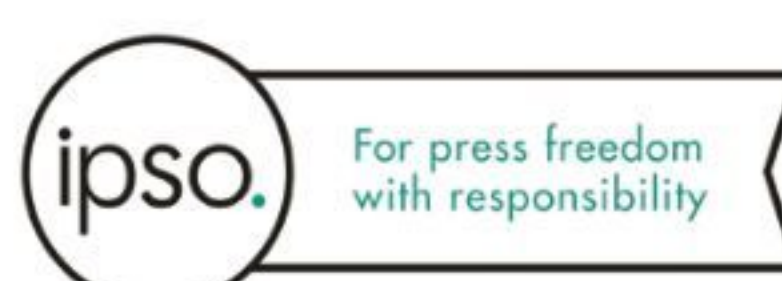
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Part of the

HISTORY of WAR

bookazine series



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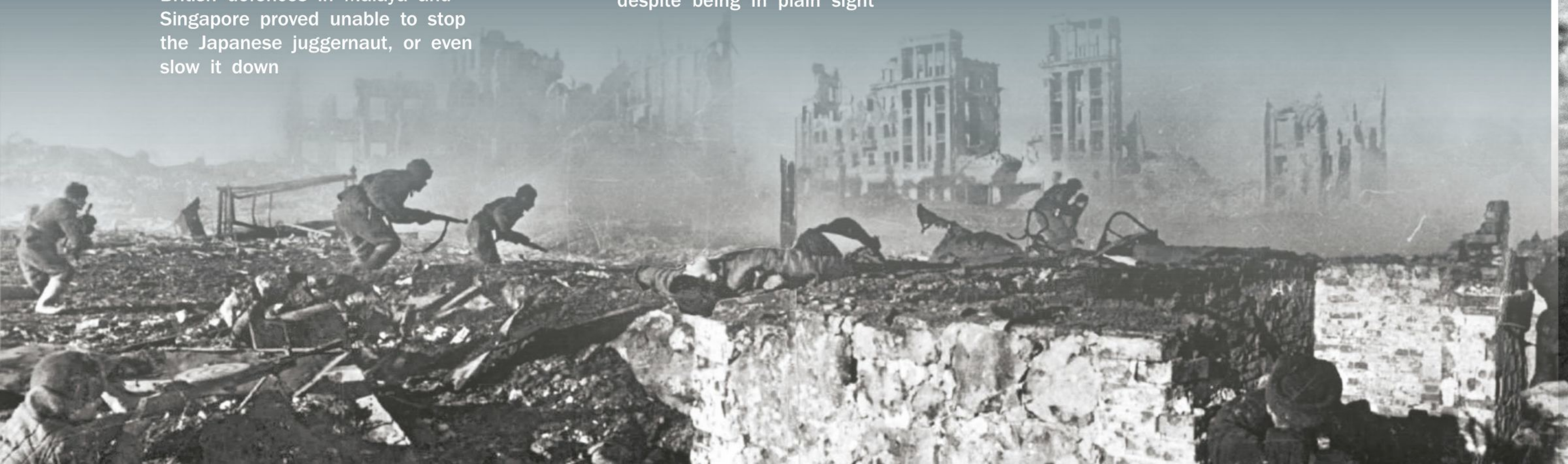
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THE NAZI

For two decades after the end of the Great War, the lengthening shadow of the Nazi Party, hypernationalist and seeking redress for the oppressive terms of the Versailles Treaty, and Allied tactics of appeasement brought another world war ever closer

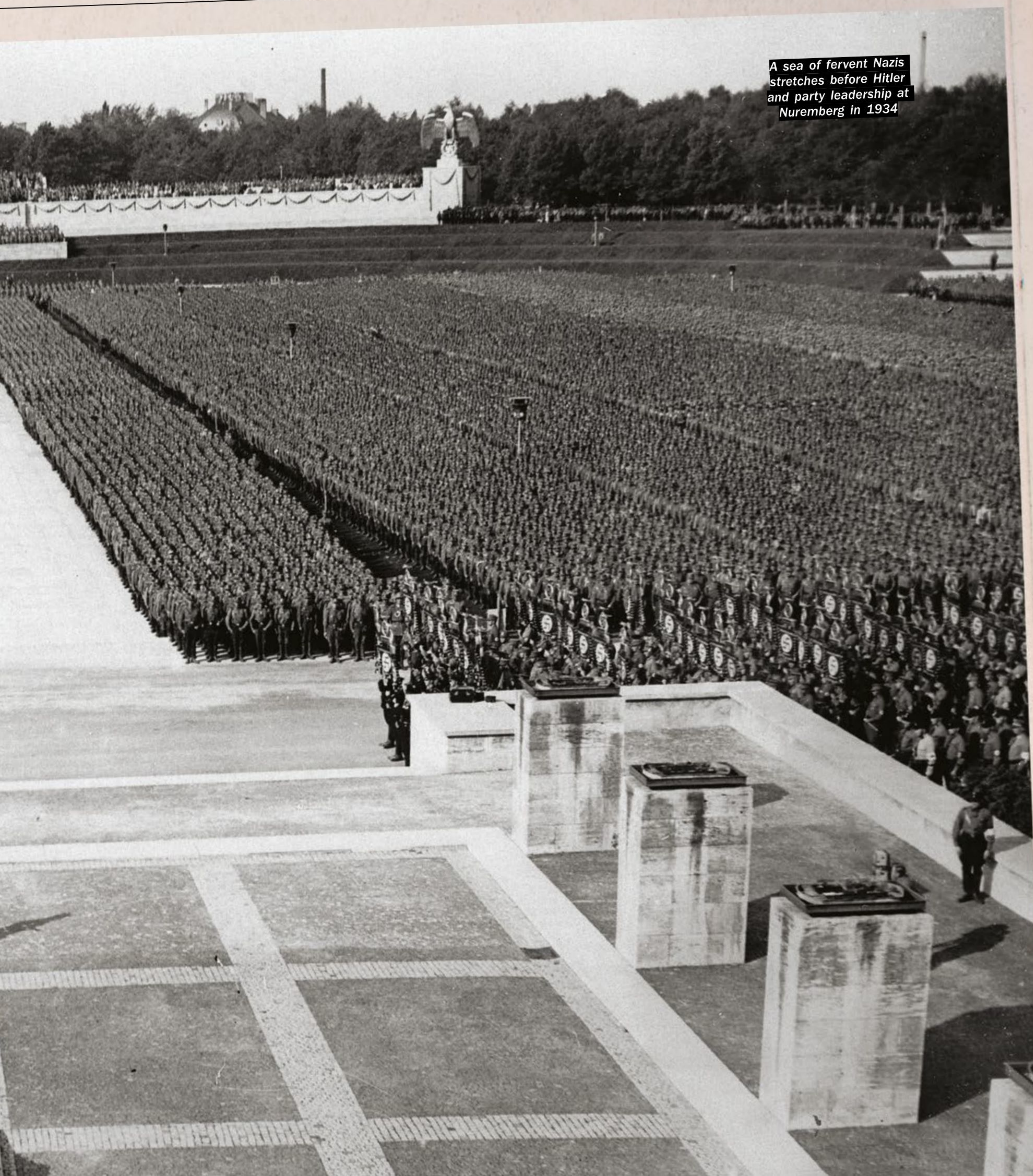
WORDS MIKE HASKEW



RISE

And the road to World War II

A sea of fervent Nazis
stretches before Hitler
and party leadership at
Nuremberg in 1934



28 June 1919

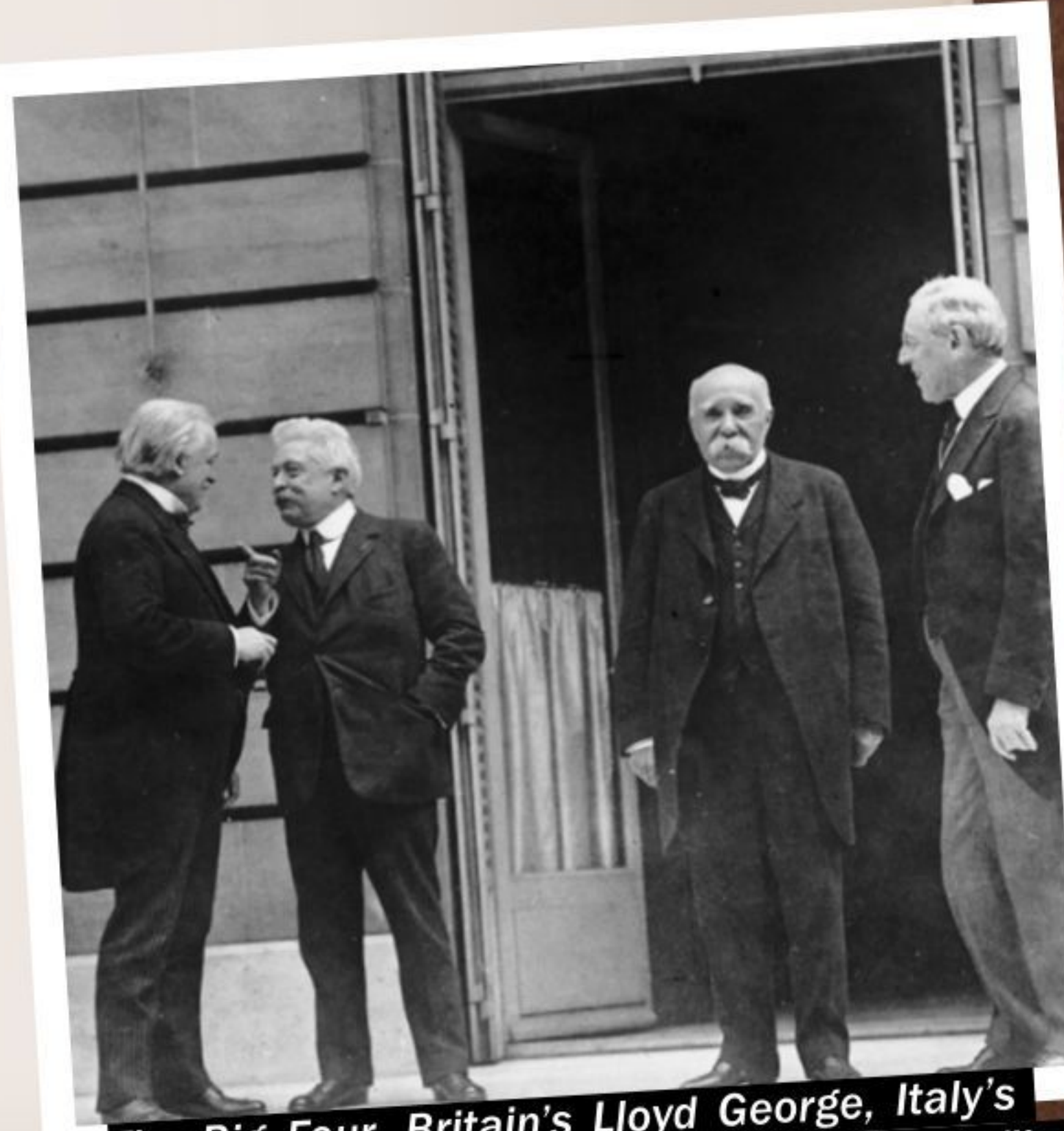
VERSAILLES TREATY SIGNED

The Versailles Treaty ends World War I, saddling Germany with blame and harsh reparations

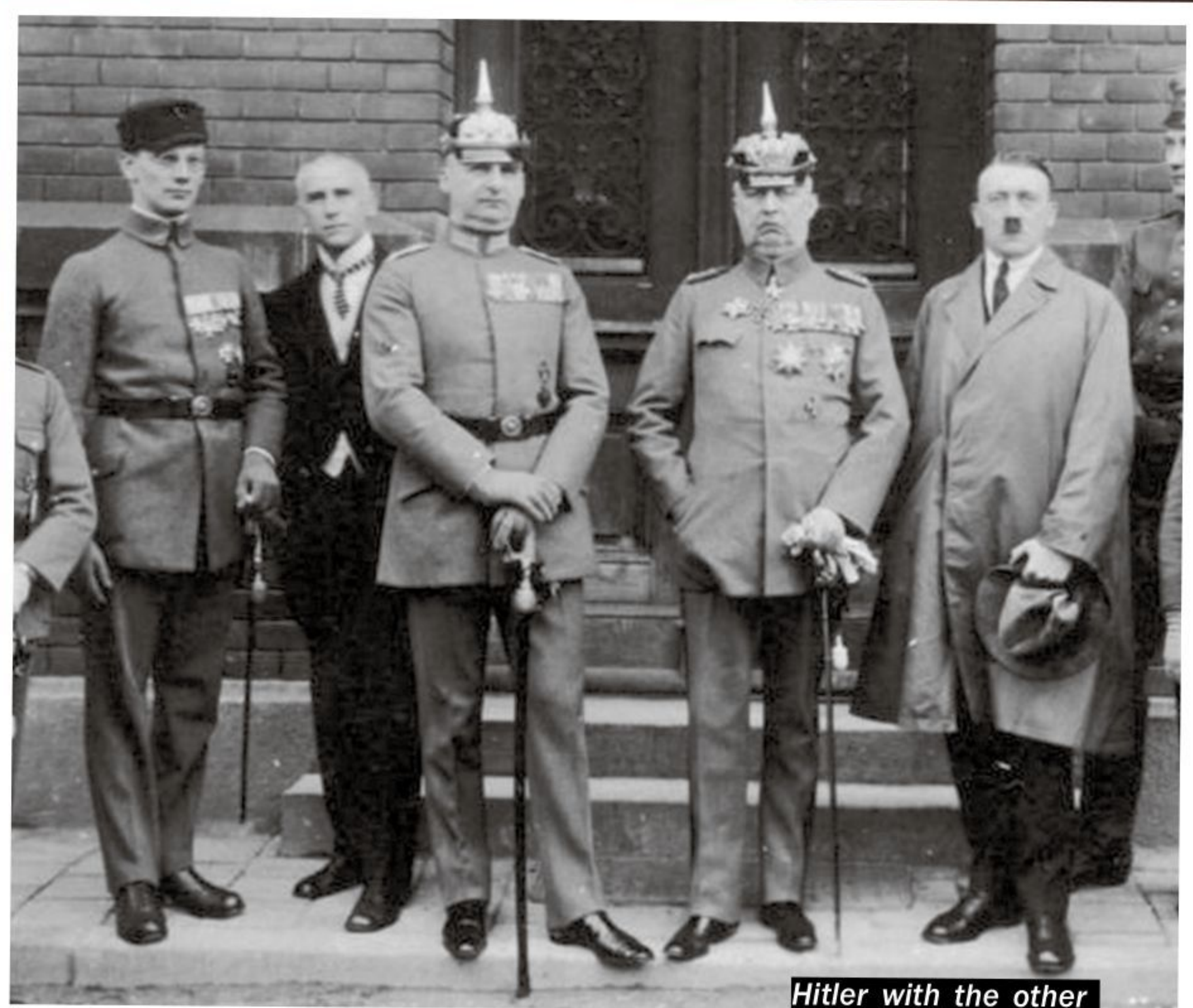
In the Hall of Mirrors at the Palace of Versailles on the outskirts of Paris, the major warring parties sign the peace treaty ending World War I. Although the terms are unfavourable to Germany and the other former cohorts of the Central Powers, the defeated nations' representatives are compelled to comply. The harsh terms impose monetary reparations on Germany that eventually exceed 132 billion Reichsmarks, or the equivalent of \$33 billion. Article 231, known as the "war guilt clause," further forces Germany to accept full responsibility for initiating the global conflict.

The treaty requires Germany to vacate approximately ten per cent of its territory, including the establishment of an Allied occupation and demilitarised zone in the Rhineland. The German Army is limited to only 100,000 men, while naval vessels are restricted to a maximum of

10,000 tons, and the country is prohibited from maintaining an air force or possessing certain types of weapons. The Treaty of Versailles is economically crippling for Germany, and its imposition becomes a catalyst for post-war civil unrest, the rise of the Nazi Party, and the coming of World War II 20 years later.



The Big Four, Britain's Lloyd George, Italy's Orlando, France's Clemenceau and the US's Wilson



Hitler with the other defendants in the Beer Hall Putsch trial

8-9 November 1923

BEER HALL PUTSCH

An ill-fated attempt to seize power leads to prison for Hitler

Led by Adolf Hitler and General Erich Ludendorff, a hero of World War I, the Nazis attempt a coup d'etat to seize power in Munich and Bavaria, intending eventually to oust the weak government of the Weimar Republic. Nazi marchers are confronted by 130 policemen, and 16 Nazis are killed or wounded, while four police officers lie dead following an exchange of gunfire.

Hitler is injured, and the abortive attempt fails. The Nazi dead become martyrs, and the Beer Hall Putsch is the origin of the revered 'Blood Flag'. Arrested and tried for high treason, Hitler uses the court proceedings as a platform to launch a tirade against the existing government. Rather than being deported to his native Austria, Hitler is sentenced to five years in prison, actually serving about eight months.

24 February 1920

NAZI PARTY FOUNDED

The Nationalist German Workers Party meets

Emerging on the political far-right as a product of nationalism, economic discontent, and bitterness over the terms of the Versailles Treaty, the German Workers Party meets in the Bavarian city of Munich and adopts a new name, the National Socialist German Workers Party. Popularly known as the Nazis, the group is initially a fringe movement but gains popularity among former members of the German army who develop a paramilitary culture, while the leadership begins a systematic programme of blaming Jews, Communists, and other elements of German society for the "stab

in the back" that resulted in defeat during World War I. The Nazis further promote the notion that the Germanic peoples are an 'Aryan' or master race. Adolf Hitler, ordered by the Reichswehr to infiltrate the party, is influenced by Anton Drexler, a leading member, and actually joins the organisation as its 55th member, rising to leadership in July 1921.

Nazi stormtroopers parade with their swastika-emblazoned standards



Nazi Party leader Adolf Hitler and members of his inner circle render a Nazi salute



18 July 1925

MEIN KAMPF PUBLISHED

Released through the Nazi central publishing house

During his confinement in Landsberg Prison in Bavaria following conviction on charges of high treason stemming from the failed Munich Beer Hall Putsch, Adolf Hitler dictates the text of *Mein Kampf*, his manifesto and autobiographical discourse of life events that have led him to personal conclusions supporting the Nazi world view, to associate Rudolf Hess, future Deputy Führer of Germany. *Mein Kampf Volume I* sells fewer than 10,000 copies in its first year; however, *Volume II* follows in 1927. The basis for the Nazi Party's political and ideological future, *Mein Kampf* rails against the forces Hitler believes have brought suffering to post-World War I Germany, particularly the influences of international Jewry; France, Germany's traditional enemy; the communists

and other political parties; and the need for Lebensraum, or living space, in the East. Hitler further promotes the notion of the Aryan, or master, race and totalitarian National Socialist government. In 1933, the year Hitler becomes Chancellor of Germany, the book sells over a million copies.



An intense Adolf Hitler glowers from the cover of his manifesto, *Mein Kampf*

1928-1932

NAZI ELECTORAL TIDE

The Nazis gain political influence during critical national elections defining the future of Germany

At first, the Nazi Party exists as a fringe group on the political periphery of post-World War I Germany. However, during a series of national elections the party advances from virtually no representation in the Reichstag, the national assembly, to a majority in just four years. During the Reichstag election of 1928, the Nazi Party receives three per cent of the vote and gains the attention

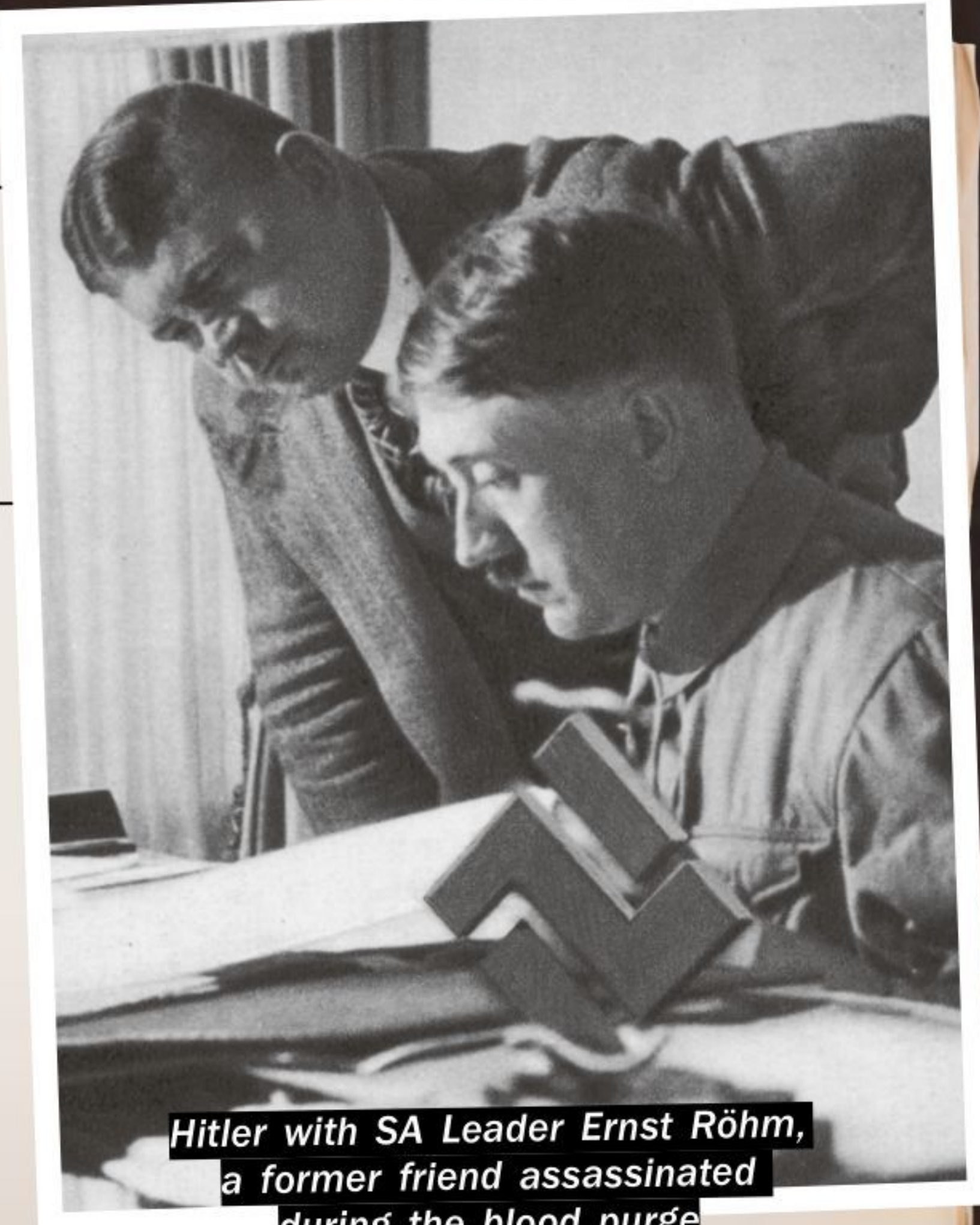
of other German political parties. In 1930, the Nazis receive six million votes, increasing their number of seats in the Reichstag from 12 to 107. Hitler challenges World War I hero Paul von Hindenburg in the 1932 presidential election and loses. However, the Nazi candidate receives 37 per cent of the vote. In the Reichstag elections in July, the Nazis garner 13.7 million votes, gaining a majority with 230 seats.

30 June – 2 July 1934

NIGHT OF THE LONG KNIVES

As Hitler moves to consolidate power, support of the German Army is essential. However, military leaders become concerned with the strength of the Sturmabteilung (SA), or Stormtroopers, the paramilitary group of Nazi thugs led by Ernst Röhm which greatly outnumbers the army. Although a longtime ally of Hitler whose SA has played a key role in achieving the Nazi grip on Germany, Röhm is suspected as a rival for party leadership.

Therefore, Hitler authorises Operation Hummingbird, popularly called the Night of the Long Knives, sending SS (Schutzstaffel) and Gestapo personnel to accomplish a blood purge of the SA. The murders are carried out swiftly, and other political enemies, including former Chancellor Kurt



Hitler with SA Leader Ernst Röhm, a former friend assassinated during the blood purge

von Schleicher, are also eliminated. Many of the SA leaders are arrested at the resort of Bad Wiessee and summarily executed. Röhm is among the dead.

30 January 1933

A PROBLEMATIC PACT WITH HITLER

In a dramatic shift of power, the German establishment offers Hitler to office

Following the rise of the Nazi Party in recent elections and the party's achievement of a majority in the Reichstag, former chancellor of Germany Franz von Papen leads a group of advisors in recommending the appointment of Adolf Hitler as chancellor in the government of President Paul von Hindenburg. The appointment is an attempt to exert political control over Hitler and minimise Nazi influence in the future of Germany. Papen comments to close advisors, "Within two months we will have pushed Hitler so far in a corner that he will squeak." On the contrary, it is Hitler who dupes the political establishment with a ruthless rise to power that eventually results in absolute rule in Germany. Even though party infighting led by a splinter movement under Gregor Strasser contributes to some losses in the 1932 Reichstag election.



Hitler and top Nazis broker a deal with former Chancellor Franz von Papen (seated right)



Hitler delivers a speech during the 1932 election, which he lost to Hindenburg

© Getty

2 August 1934

DEATH OF HINDENBURG

With the death of Germany's president, Hitler proceeds to consolidate power in himself as dictator

The death of 86-year-old Paul von Hindenburg, president of Germany and hero of World War I, removes the last substantial barrier to Hitler's consolidation of power as Nazi dictator. With the support of the German armed forces secured following the Night of the Long Knives, Hitler authorises a plebiscite to decide the question of merging the offices of chancellor and president. The German people approve the measure resoundingly with 90 per cent of the vote in the affirmative, and Hitler assumes the title of Führer. Further exercising his authority through the Enabling Laws, Hitler sanctions and energises the state sponsorship of a virulent campaign of anti-Semitism, and his personal popularity soars as the economic hardships of the Great Depression ease somewhat. Further, the Nazi regime continues to suppress political opposition in Germany and Hitler prepares to embark on an aggressive campaign of redress against the oppressive terms of the Treaty of Versailles.



Chancellor Hitler bows subserviently to the elderly President Paul von Hindenburg in 1934



Hitler salutes marching Nazis during the 1935 rally in which he proclaims the Nuremberg Laws

15 September 1935

NUREMBERG LAWS ENACTED

The Reichstag passes laws restricting rights of German Jews and fuelling Nazi ideology as state policy

The Nuremberg Laws, placing severe restrictions on the civil rights of the Jewish population in Germany, further broaden the legal basis for the Nazi persecution of the nation's Jews and other minorities as a matter of policy. The principal regulations include the Law for the Protection of German Blood and German Honour and the Reich Citizenship Law. The first prohibits extramarital sexual intercourse and marriage between Germans and Jews and the employment of German women under 45 years of age by Jewish households. The second proclaims that only those people of German or related blood are citizens. Other individuals are stripped of their citizenship. A subsequent law imposed later in the year defines who is considered a Jew based upon ancestry, and the law is soon expanded to include other ethnic populations. The Nuremberg Laws follow Hitler's 1933 enactment of a national boycott of Jewish businesses and other Nazi activities to isolate the Jewish population in Germany.

German tanks at a Nazi Party Congress following the start of rearmament



16 March 1935

HITLER REPUDIATES VERSAILLES TREATY

In a major foreign policy stroke, Hitler formally announces the renewal of military conscription in Germany

Although the German armed forces have been conducting a covert programme of rearmament for years, much of it with the assistance of the Soviet Union, Adolf Hitler announces to the German people and the world that the Third Reich will no longer abide by the military disarmament restrictions of the Treaty of Versailles.

"For in this very hour, the German Government renews its resolve before the German people and before the entire world that it will never step beyond the bounds of preserving German honour and the freedom of the Reich," Hitler proclaims, "and in

particular shall never make of the German national arms an instrument of warlike aggression, but an instrument confined exclusively to defence and thereby the preservation of peace."

Hitler's proclamation reintroduces general military conscription and lifts the secretive veil from military training and arms manufacture.

The German Army is projected to increase to 12 corps and 36 divisions, significantly beyond the Versailles restrictions. The news is alarming, but the former Allied nations take no meaningful steps to curb the increasing threat of German rearmament.

The Führer stands with government officials after announcing German rearmament on 16 March 1935





Riding into the Rhineland on horseback, a German soldier accepts flowers from a welcoming woman

7 March 1936

GERMAN TROOPS OCCUPY THE RHINELAND

In direct violation of the Treaty of Versailles, German troops march into the Rhineland, an area designated as a demilitarised zone, in western Germany. Hitler's bold move effectively renounces the Locarno Pact of 1925, which had reaffirmed the provisions of the Versailles Treaty, permitted the entry of Germany into the League of Nations, and led to the withdrawal of Allied occupation troops in the Rhineland, which is accomplished in 1930. Although the German move is provocative and Hitler is prepared to pull back rapidly if the Allied nations respond with force, his calculated risk pays off. The Allies, particularly France, do nothing of substance to compel the Nazis to withdraw. The successful gamble sparks tremendous support for Hitler's aggressive posture and emboldens the Führer to make further territorial demands in Europe.

13 March 1938

ANSCHLUSS WITH AUSTRIA

In a triumph of his efforts to unite ethnic Germanic peoples and territories outside Germany into a greater Reich, Hitler proclaims the union, or Anschluss, of Germany and Austria, his native country. The annexation of Austria is preceded by subversive activities of Austrian Nazis and Hitler's coercion of Austrian Chancellor Kurt Schuschnigg, who meets with the Führer in the vain hope that his nation might remain independent but is instead forced to appoint Austrian Nazis to key posts in his government. After calling for a national plebiscite to decide the question of union with Germany on 9 March, Schuschnigg is forced to resign two days later. Hitler crosses the Austrian frontier with German troops on 12 March and returns triumphantly to the capital of Vienna, a city where he spent much of his youth in disillusionment. He appoints a new government and proclaims the Anschluss complete the following day.

Prior to Anschluss, a jubilant crowd greets Hitler as he enters the Austrian capital of Vienna



28 May 1937

CHAMBERLAIN BECOMES PM

Prime Minister Chamberlain presides over final drama leading to World War II

With the retirement of Stanley Baldwin, Conservative politician Neville Chamberlain accedes to the office of Prime Minister of Great Britain. Amid the growing threat of war with Nazi Germany, Chamberlain continues a foreign policy of appeasement, offering concessions in exchange for assurances that armed conflict may be averted. Chamberlain is best known for acquiescing to German demands for the annexation of the Sudetenland, a region of predominantly German-speaking inhabitants in western Czechoslovakia. The agreement is negotiated during a meeting in Munich, Germany, and Chamberlain returns to Britain confident that war has been averted.



Prime Minister Neville Chamberlain meets the Führer in the city of Munich in September 1938

1 August 1936

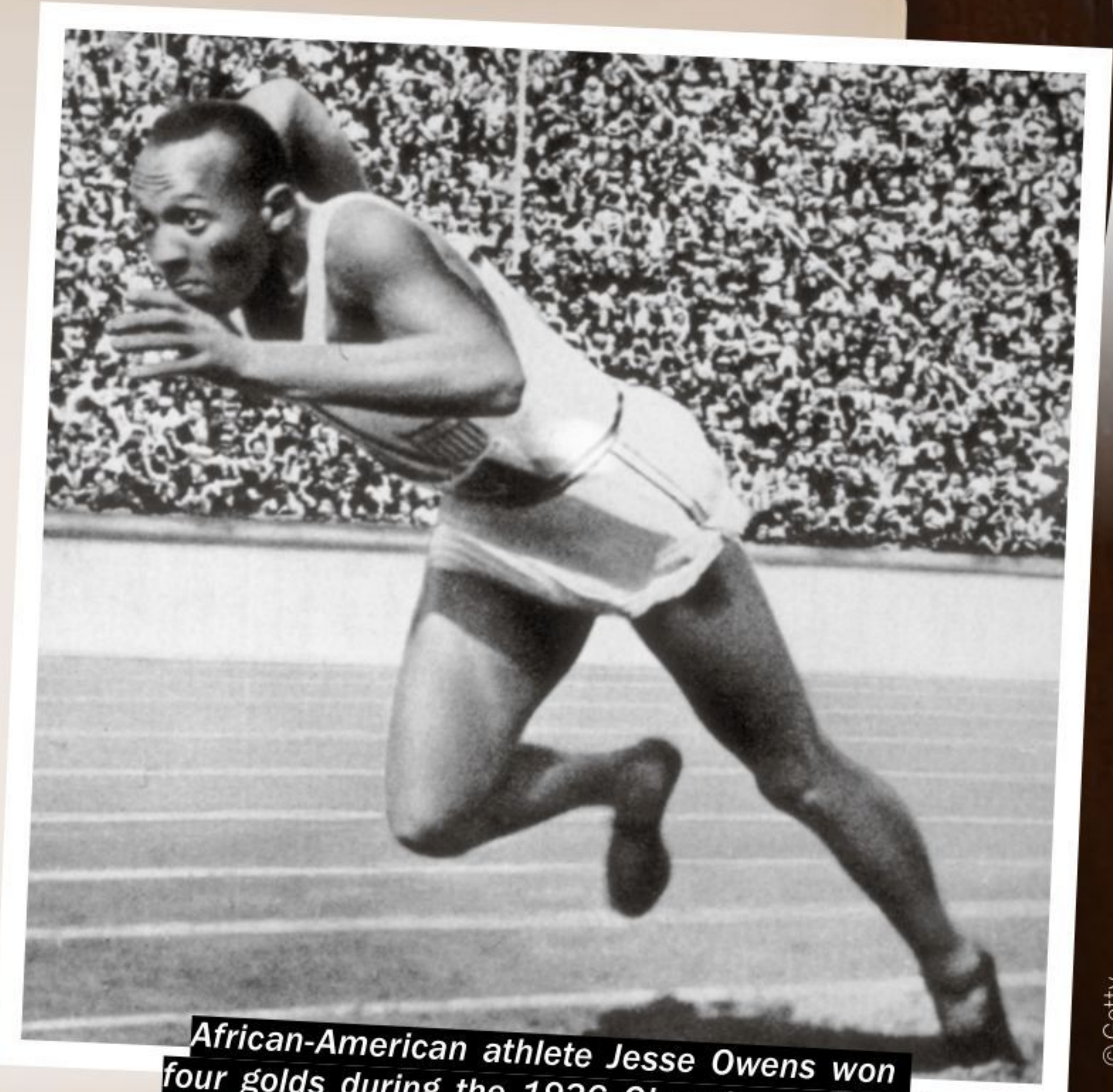
THE 1936 OLYMPIC GAMES

Berlin hosts the Games of the XI Olympiad

The eyes of the world focus on a new and apparently prosperous Germany as Berlin, the Nazi capital, hosts the games of the XI Olympiad. Hitler opens the games amid great pageantry, and foreign visitors and dignitaries are treated with courtesy and deference. The Nazi persecution of the Jews and other minorities has been fully implemented, but all vestiges of the programme are temporarily suspended to hide the truth from the outside world.

Although the Nazis have repudiated the Versailles Treaty, reconstituted a strong military, and occupied the Rhineland,

they view the games as a tremendous propaganda opportunity, projecting a veneer of goodwill. A new 100,000-seat stadium has been constructed along with six gymnasiums and other facilities. Acclaimed filmmaker Leni Riefenstahl produces a stunning documentary, and the games are the first to be televised. In keeping with Hitler's hopes for 'Aryan' success, the German team leads in overall (89) and gold medals (33). However, American Jesse Owens, an outstanding African-American track-and-field athlete, wins four gold medals to Hitler's chagrin.



African-American athlete Jesse Owens won four golds during the 1936 Olympics in Berlin

© Getty

30 September 1938

MUNICH PACT

Chamberlain of Britain and Daladier of France sign away sovereign Czech territory to appease Hitler

In the vain hope that another world war may be avoided, British Prime Minister Neville Chamberlain and French Prime Minister Edouard Daladier travel to Munich, Germany, to meet with the Nazi Führer Adolf Hitler and Benito Mussolini, the Fascist Italian dictator. Hitler demands that the Sudetenland, a region in western Czechoslovakia, be ceded from the sovereign Czechoslovak nation to greater Germany due to its German-speaking population. Czechoslovakia is not represented at the conference. Chamberlain and Daladier sign the Munich Pact, giving in to Hitler's

demands and eventually sealing the fate of all Czechoslovakia, which the Nazis occupy the following spring without firing a shot. Chamberlain returns to Britain and receives a warm welcome. Addressing the crowd and waving a document that bears the signatures of the various leaders, he proclaims, "Peace for our time." The Munich Pact stands to this day as stark evidence of the failed Allied doctrine of appeasement that contributed to the outbreak of World War II. Some observers, among them future British Prime Minister Churchill, grouse that the agreement is a diplomatic defeat.

Chamberlain, Daladier, Hitler and Mussolini pose for a photograph during the Munich Conference of 1938



9 November 1938

THE NIGHT OF BROKEN GLASS

Kristallnacht, the Night of Broken Glass, spreads like an ill wind across Nazi Germany as violence erupts against the nation's Jewish population. Synagogues are torched, businesses are ransacked, homes are destroyed, and 100 Jews are killed in the rampage while authorities ignore the atrocities. Approximately 30,000 Jewish men are arrested and transported to concentration camps as the Nazis use the murder of Ernst vom Rath, a German diplomat in Paris, as an excuse for the pogrom.

Until Kristallnacht, much of the persecution against German Jews has been in the form of boycotts and anti-Semitic legislation. However, this escalation of tension and violence signals to the world a warning that Nazi malevolence may not be contained within the nation's borders. The violence continues into the following day, and the *New York Times* reports, "Large crowds filled the main streets this morning to gaze on the destruction wrought in last night's riots..."

Ordinary German citizens walk past the gutted storefronts along a Berlin street following Kristallnacht



Nazi troops enter the Prague Castle grounds during the occupation of Czechoslovakia in March 1939

15 March 1939

GERMANY OCCUPIES CZECHOSLOVAKIA

After annexing Sudetenland, Nazi Germany extends its territorial gains as troops occupy all of Czechoslovakia

After annexing Sudetenland the previous autumn, Nazi Germany sends troops across the frontier to occupy all of Czechoslovakia. Hitler completes his bloodless conquest of the country after intimidating Czech Prime Minister Emil Hacha with threats of bombing the capital city of Prague. Hacha has previously offered concessions to Hitler, but none are satisfactory. In the evening, Hitler arrives in Prague to a tumultuous crowd. With the occupation, the powerful Czech Army is rendered inert, while tremendous resources, including substantial coal and iron deposits and steel production facilities, come into the possession of the Nazi government. The Skoda Works, which produce outstanding, modern weaponry, is now at the disposal of the German military. Slovakia is declared independent, although it remains a Nazi puppet state, while Bohemia and Moravia are designated a German Protectorate.

22 May 1939

PACT OF STEEL

Nazi Germany and Fascist Italy sign an alliance that openly threatens peace in Europe

Although Italian Fascist dictator Benito Mussolini initially opposes the rise of Hitler and the Nazis in Germany, particularly due to the Führer's aggressive territorial demands, the two leaders discover common ground in their lust for empire. In fact, Hitler has considered Mussolini, his senior, as something of a role model for the emergence of the totalitarian state in Germany. By the spring of 1939, the two leaders have directed their foreign ministers to conclude an agreement known popularly as the Pact of Steel and specifically as the Pact of Friendship and Alliance between Germany and Italy. The agreement pledges diplomatic and military cooperation between the two countries.

Italy's Count Galeazzo Ciano and Germany's Joachim von Ribbentrop sign the treaty in Berlin, and the pact includes a secret supplementary protocol that provides additional mutual covert economic and

military assurances. Originally, Japan has been a probable signatory, but the European partners wish to focus on Britain and France while the Japanese are preoccupied with concluding an agreement offering security against the Soviet Union. Japan later joins Germany and Italy in the Tripartite Pact of 1940.



Hitler alongside German Foreign Minister Joachim von Ribbentrop at the signing of the Pact of Steel

1 September 1939

GERMANY INVADES POLAND

German forces invade Poland, and World War II erupts as Great Britain and France declare war

After fabricating a so-called border incident with the Polish military, German forces roll into Poland and unleash the Blitzkrieg, or Lightning War, as they press toward objectives including the capital city of Warsaw. German troops, tanks, artillery, and aircraft overwhelm the Polish Army, which mounts a heroic but futile resistance. Luftwaffe bombers devastate Warsaw. Soviet troops launch their own invasion of Poland from the east on 17 September, while the German campaign of conquest is concluded in 35 days.

Meanwhile, British Prime Minister Neville Chamberlain addresses the nation on 3 September, stating somberly, "...This morning the British ambassador in Berlin handed the German government a final note stating that unless we heard from them by 11 o'clock that they were prepared at once to withdraw their troops from Poland, a state of war would exist between us. I have to tell you now that no such undertaking has been received, and that consequently this country is at war with Germany...."

Both Great Britain and France formally declare war on Nazi Germany on 3 September 1939, plunging Europe into World War II.



Adoring Nazis roar their approval as Hitler announces the invasion of Poland in the Reichstag

23 August 1939

NAZI-SOVIET NONAGGRESSION PACT

Nazi Germany and the Soviet Union, the bastion of communism, shock the world with the announcement of a nonaggression pact that pledges peace between the two countries. The news is particularly startling in the West, which has understood that the communists are Hitler's sworn enemies. Actually, the Soviet Union and Nazi Germany have cooperated for years during the covert program of German military rearmament in violation of the Versailles Treaty. The countries have further engaged in

substantial economic trade. Signed in the Soviet capital of Moscow, the agreement stipulates that neither country will ally itself with or aid an enemy of the other. It also includes a secret protocol, which acknowledges respective spheres of influence and sets the stage for each country's invasion of neighbouring Poland, triggering World War II. Hitler shreds the agreement in June 1941, taking advantage of a naïve Soviet Premier Joseph Stalin, and launching an invasion of the Soviet Union.



German Foreign Minister Ribbentrop (left), with Soviet Premier Stalin (centre) and Soviet Foreign Minister Molotov following the signing of the pact

WORLD AT WAR

18 SIEGE OF WARSAW

When Germany launched its invasion of Poland, few expected the capital city to fall in less than a month

24 BATTLE OF THE ATLANTIC

Discover the key role played by the USA in the longest campaign of World War II

28 THE FALL OF FRANCE

Poland had fallen quickly, but everyone expected France to put up stiffer resistance – until the Germans attacked

32 BATTLE OF BRITAIN

Following the fall of France, Germany set its sights on Britain, and only the men of the Royal Air Force stood in the way



36 OPERATION BARBAROSSA

Germany's invasion of the Soviet Union was Hitler's greatest gamble of WWII, and the bloody realisation of his most ambitious dreams

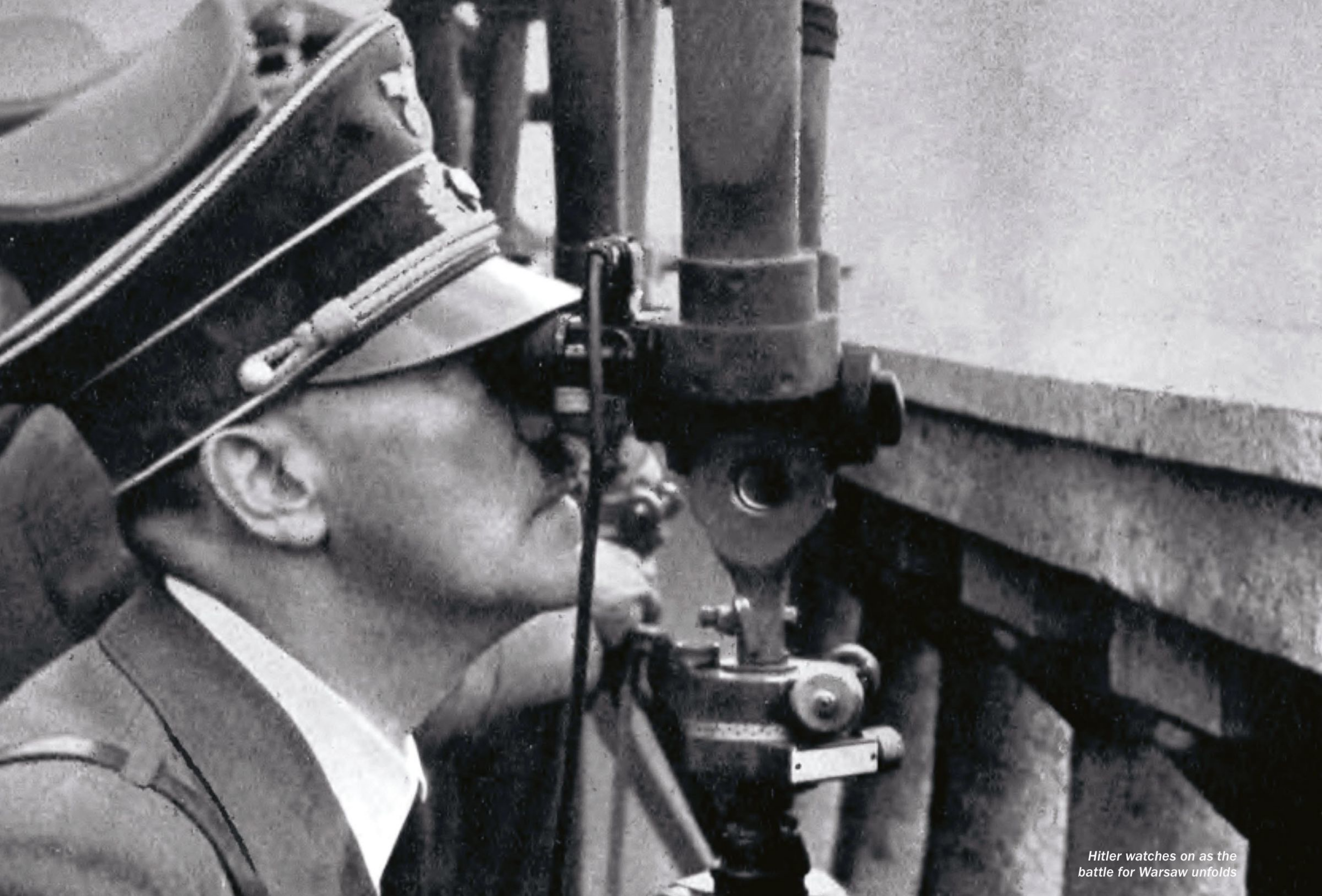
42 PEARL HARBOR

Imperial planning and preparation for the surprise attack on Pearl Harbor began months before the Sunday morning aerial assault

50 THE FALL OF SINGAPORE

British defences in Malaya and Singapore proved unable to stop the Japanese juggernaut, or even slow it down





Hitler watches on as the battle for Warsaw unfolds

SIEGE OF WARSAW

POLAND 1-27 SEPTEMBER 1939

When Germany launched its invasion of Poland, few expected the capital city to fall in less than a month

WORDS DAVID SMITH

In the early hours of 1 September 1939, the German battleship Schleswig-Holstein fired the first shot of World War II. The German campaign plan, *Fall Weiss* (Case White) swung into action and the world was introduced to a new form of warfare that would later be recalled as '*blitzkrieg*' (lightning war). Although debate continues over how meaningful the term is, and how deeply rooted in German planning it was, there can be no doubt that speed was the defining characteristic of the invasion of Poland. On the seventh day of the campaign, German tanks were approaching the outskirts of Warsaw and the stage had been set for a brief yet brutal siege.

The seeds of World War II had been planted at the end of the Great War, with Germany aggrieved by territorial losses to Poland, including the 'Pomeranian corridor', which split East Prussia from the rest of Germany, and the designation of the port of Danzig as a free city.

By 1939, Poland was counting on protection from France and Great Britain as Germany made increasingly bellicose attempts to regain its territory. An initiative to pull the Soviet Union into an anti-German alliance failed due to Polish misgivings over Russian intent and on 25 August 1939, the stunning Molotov-Ribbentrop non-aggression pact placed Poland between two rapacious and suddenly cooperative powers.

The invasion force

In 1939 German Army was not quite the smooth-running machine it is usually characterised as being. As war approached only a fraction of the army had been mechanised and the bulk of it still relied on horses, bicycles and its own feet.

By concentrating all of its mechanised and motorised divisions on Poland, however, Germany was able to create massive local superiority. An advantage in tanks of 2,511 to 615 would no doubt have proved decisive enough, but the German plan allowed them to enjoy a better than eight-to-one advantage at the points of attack.

The tanks involved were not the powerful behemoths of the later war years. Tanks were

utilised in an anti-infantry role and the majority were Panzerkampfwagen types I and II, armed with machine guns or 20mm cannon respectively. There were less than 100 of the more powerful PzKpfw III, armed with a 37mm gun, while the 75mm-equipped PzKpfw IV was used as a fire support platform.

The Germans also enjoyed a significant advantage in artillery, with 5,805 guns to 2,065 for the Poles.

What differentiated the German use of armour was its massing in panzer divisions (combined arms units with tanks as well as motorised artillery and infantry). The use of high-quality radios was of critical importance, as it allowed for a great flexibility in movement and rapid responses to problems.

The Germans also enjoyed an advantage in manpower of at least 1.5:1, although in reality it was greater as Polish mobilisation was never really completed.

The birth of 'blitzkrieg'?

Germany wanted, and needed, a quick victory. With Britain and France declaring their support for Poland, the campaign would need to be fought and won before the western powers could react. German divisions could then be rushed westwards to face an anticipated French offensive.

Polish planning took this into account. Believing they needed only to buy enough time for the French to mobilise and launch a massive offensive against Germany, their entire strategy was flawed from the start. Compounding this flaw was the fact that France believed Poland would be able to hold out for at least three months.

The Poles therefore called for an initial defence of their western territory, followed by a planned withdrawal to defensive positions along the Vistula River. Such a defence would not only signal that Poland was willing to fight (and therefore worthy of its promised support from France and Britain), but also give time for mobilisation of its forces to be completed.

The German plan threw all of this into confusion. Whether or not there was a coherent acceptance of the concept of *blitzkrieg* (the term itself was almost certainly coined by a journalist, not a general), German commanders accepted the need to move quickly. This paramount objective would overwhelm Polish resistance in a matter of weeks.

Invasion

German forces aimed to converge on Warsaw from two directions. From the north, Army Group North, under Fedor von Bock, marched with 15 divisions. From the south-west came Army Group South, 26 divisions strong, under Gerd von Rundstedt. With 630,000 and 886,000 men respectively, the two army groups significantly outnumbered the Polish defenders.

Warsaw was a target from day one. The Luftwaffe was tasked with bombing the city,

but weather conditions on 1 September were far from ideal and the spirited defence of the Brygada Poscigowa, the 'Pursuit Brigade', took the German airmen by surprise. The majority of Poland's squadrons had been allocated to support its various field armies, but the 54 planes of the Pursuit Brigade, mostly obsolete PZL P.11 fighters, downed 16 Luftwaffe aircraft on the first day of the war.

Losses in the Polish Air Force were catastrophic, however, and against the vastly superior Messerschmitt Bf 109 and the newly introduced Bf 110, as well as defensive fire from bombers, the PAF was to lose around 85 per cent of its aircraft during the short war.

German propaganda insisted that the Polish planes had been destroyed on the ground in the first two days of the fighting, but in fact the Poles had wisely scattered their aircraft and only unserviceable wrecks had been caught on the ground at their main airfields. Nevertheless, air defence quickly became limited to anti-aircraft guns as the PAF was driven from the skies. The stage was set for the sinister Stuka dive-bomber to write itself into history.

Relatively slow (it would perform disastrously in the later Battle of Britain against Hurricanes and Spitfires), the 340 Stukas of the Luftwaffe revelled in the open skies above Poland, attacking lines of communication, trains, railway lines and other key tactical targets at will and becoming in many ways the symbol of blitzkrieg.

The German plan was not running as smoothly as their propaganda claimed, however.

Coordination between the panzer and infantry divisions was patchy and the Poles were enjoying success with their 37mm anti-tank weapons, even employing obsolescent armoured trains effectively.

Polish cavalry was still useful due to its rapidity of movement, but it was never used in full-scale charges against panzers, as German propaganda claimed (a successful charge was mounted against an infantry unit, but was then repelled by advancing German tanks).

Warsaw under attack

Following the confusion of the early days of the war, the Germans began to make serious advances. Most worrying for the defending Poles was that they were unable to retreat as quickly as the Germans were advancing. Pressure on two Polish armies, Army Lodz and Army Prusy, resulted in a gap developing between them, wide enough for the Germans to race through. By the afternoon of 7 September, elements of 1st and 4th Panzer Divisions had reached Warsaw.

By now, Luftwaffe raids were having more of an effect, and the rubble of destroyed buildings dotted the landscape. Distressing though this was for the civilian population, it actually helped with the preparation of defences – the bombed-out buildings provided excellent cover for the placement of anti-tank guns and artillery pieces.

In addition to this, ditches were dug, rail lines ripped up and planted into the ground to form rudimentary tank traps, and barricades built. Tram cars were toppled over to block roads.

“BY CONCENTRATING ITS MECHANISED AND MOTORISED DIVISIONS ON POLAND, GERMANY WAS ABLE TO CREATE HUGE LOCAL SUPERIORITY”



The view over the wing of a German bomber as it circles Warsaw during the siege of September 1939

On 8 September, as the defenders waited, the rumbling sound of advancing tanks began to build as the first units of 4th Panzer Division advanced cautiously into a hostile and unfamiliar environment. The tanks, mostly Type I and II panzers, were thinly armoured and unable to withstand anything more substantial than machine-gun fire. The 37mm and 75mm shells fired at them, often at point-blank range from behind the improvised defensive works on the streets of Warsaw, easily tore through the thin armour. Many of 4th Panzer Division's tanks were destroyed in this way before the attack was called off.

The Poles had served notice that they would not give up their city without a fight, but how determined that fight would be was up for debate.

The evening before, the Polish commander, Edward Rydz-Smigly (who had defended Warsaw from the Bolsheviks in 1920), had taken a fateful decision. Convinced that Warsaw was about to be surrounded by the rapidly advancing Germans, he ordered the bulk of the army command apparatus to relocate to Brzesc-nad-Bugiem (Brest-Litovsk). At the worst possible moment, with its armies reeling under the German onslaught, the Polish command structure disintegrated.

The tanks of 4th Panzer Division attacked again on 9 September, but were again repulsed. Polish defences had been strengthened overnight

and the 'Children of Warsaw Brigade' had been recalled to the city, launching a series of small night-time raids to keep the Germans off balance.

The Polish counterattack

One area in which blitzkrieg left the Germans vulnerable was in their susceptibility to counter-attacks on their exposed flanks. As their divisions raced along as fast as they could, it was inevitable that some would become strung out, and with their focus on what was immediately in front of them, a force on their flanks might be overlooked.

Just such a situation had arisen with Army Poznan. Bypassed by the advancing German armies as they had streamed past to the north and south, its commander, Tadeusz Kutrzeba, had begged for permission to hurl his fresh troops against the flank of the advancing divisions. Repeatedly, Rydz-Smigly had refused but now, with the situation becoming desperate, he finally acquiesced.

The German Eighth Army was the target, blissfully unaware of the danger as intelligence had mistakenly reported Army Poznan retreating to Warsaw. As evening approached on 9 September, three Polish infantry divisions, flanked by two cavalry brigades, attacked two German infantry divisions along the Bzura River. After 24 hours of fighting, the Germans were forced to withdraw and around 1,500 men were taken prisoner.



It was a small victory, but it achieved its primary goal – that of buying time for the defences of Warsaw to be strengthened and for more units to make it safely back to the city. Epitomising this was the recall of 1st and 4th Panzer Divisions from Warsaw to join in an encircling movement on Army Poznan.

The good news for Warsaw was, of course, bad news for Army Poznan, which was quickly surrounded. Kutrzeba had hopes of fighting his way through to the east, which would have allowed the army to reach Warsaw, but instead was forced to turn northwards in the face of overwhelming enemy forces.

On 16 September the Luftwaffe sent 820 planes against the trapped Poles in the 'Bzura pocket', who were also being pummelled by artillery fire, while panzer forces closed in. The end was inevitable, and although some units did manage to break through a weak spot in the German cordon, Army Poznan was virtually annihilated. A staggering 120,000 men were taken prisoner.

It had been a brave diversion, but the inferior communications systems of the Poles had proved to be a major handicap. It had also only held up the German advance from one direction. Out of the north came the two armies of Army Group North, closing in once more on the ultimate goal of Warsaw.

The city

Warsaw was a city of 1.3 million inhabitants, including the largest Jewish population outside New York – 350,000 Jews called Warsaw home, and most were to suffer a horrendous fate in the years that followed the German capture of the city.

Ironically, the belief that France would quickly launch an offensive on the opening of the war had not only misled the Poles, it had also hampered German planning. Unwilling to have its forces committed too far to the east in case they needed to respond quickly to a French attack, German commanders had been tentative about crossing the Vistula River. By the middle of September, reality was dawning – the French were not about to move quickly and the armies engaged in Poland were free to roam at will. Bock's Army Group North was therefore able to move southwards on both sides of the Vistula, posing a much more serious threat to the Polish defensive positions. Third



Above: German infantry advance into the outskirts of Warsaw, using a tank for cover

Left: Luftwaffe raids destroyed or damaged many buildings throughout the city



German soldiers
parading in Warsaw
following the invasion

“AIR DEFENCE QUICKLY BECAME LIMITED TO ANTI-AIRCRAFT GUNS AS THE PAF WAS DRIVEN FROM THE SKIES. THE STAGE WAS SET FOR THE STUKA DIVE-BOMBER TO WRITE ITSELF INTO HISTORY”

Army was in the vanguard as German units again pushed down towards Warsaw.

In the beleaguered city at the time was an American journalist, Julien H Bryan, who remained to document the assault. Armed with a still camera and a Bell & Howell cine camera, he captured images of the city under the hammer of the German war machine. In particular, the incessant air attacks had become a monotonous terror. “By the 12th day,” Bryan reported in his documentary film ‘Siege’, “it was absurd even to sound alarms, for there was always an air raid.” Bryan’s film, smuggled out after the city fell, gave a glimpse of the work undertaken to construct defences and the devastating effects of German incendiary bombs, which turned whole blocks into infernos.

The siege of Warsaw

The Polish plan was still to hang on until help arrived from France, so keeping field armies intact was of paramount importance. On the same day that Rydz-Smigly had shifted the Polish command centre from Warsaw, he had issued an ominous order – men within a certain age range were also to leave the city.

The inevitable conclusion was that Warsaw was being left to its fate, with manpower shifted further eastwards, out of reach of the advancing Germans. The order was so frightening, in fact,

that it was ignored, with the general in charge of the defence of Warsaw, Walerian Czum, agreeing with the mayor, Stefan Starzynski, that the men were needed to defend the city.

For the population, it was a terrifying time. There was no doubt that the war was going badly, even disastrously. Alexander Polonius, trapped in the suburbs of the city as the noose tightened, told later of the hopelessness experienced in the face of German military superiority: “At the beginning of the war,” he noted, on 8 September, “we were always trying to distinguish the colours and markings of the planes to see which were the enemy; but now few even took the trouble: whatever aeroplanes were heard we took it for granted that they were German.”

On the same day, Rydz-Smigly had issued an order that resistance was to continue. Posters appeared in the city, urging the citizens to arms (*Do Broni*) and declaring that it would be defended to the last man. Retreating units were finding their way into the city and there was little doubt that events were reaching their critical point.

The city was not yet surrounded, however. German forces were closing in from the north, but to the west, the Bzura counter-attack was still tying up Rundstedt’s armies. To the south, there was hope in the form of four fortifications, Forts Szczesliwicki, Mokotowski, Dabrowski and Czerniakowski. The forts were old, though,

and Mokotowski had been partially dismantled in preparation for being converted to a storage facility. They were a comforting presence for the civilian population, but they could not hope to hold back modern German forces for long.

Keeping the civilian population under control was becoming increasingly difficult as the nightmarish reality of a siege began to sink in. Polonius wrote of bakeries being broken into by hungry mobs, while Bryan, the American journalist stuck in the city, filmed the bodies of women machine-gunned by German planes while foraging for potatoes. “Sleeping is a peace-time prejudice,” Polonius wrote in his diary on 10 September. “I spent the night in hearing the stunning din of heavy vehicles on the road, as the rows of lorries and armoured cars passed through the village.” Later he would write of the terror as his house was bombed and strafed.

By 19 September, the city was flooded with refugees, begging in the streets and being directed to aid stations which were, in Polonius’s words, “sheer mockery. There is invariably an enormous queue, but no food or drink.” The stench of rotting corpses began to fill the air.

The fall

Fittingly enough, in what Polonius described as “this speediest of all wars”, the end for Warsaw came quickly. As the Bzura counter-attack fizzled out, German forces completed the encirclement of the city by 21 September, committing 12 divisions to the task.

The short, sharp lessons learned by the panzer forces in the earlier street fighting, had helped persuade the German command that the capture of the city would be best left in the hands of the

artillery and Luftwaffe. A thousand guns were amassed around Warsaw to pummel the city, while the air force continued its air raids.

On 23 September, a major assault was beaten back by the desperate Polish defenders, but two days later resistance appeared futile in the face of a huge artillery bombardment, accompanied by bombing raids featuring 1,200 planes. Warsaw disappeared under a pall of smoke, which actually made it difficult for Luftwaffe planes to spot their targets, resulting in numerous 'friendly fire' casualties among German ground units.

The forts to the south of the city fell the next day, after determined infantry assaults. Fort Mokotowski, home to the Polish Broadcasting Station, had kept transmitting up to the 25th despite being repeatedly targeted from above by German bombers. Resistance was still an option, as fresh reserves of ammunition had been transported into the city via locomotive, but the cost was becoming too high.

"I feel that I am growing abnormal," Polonius wrote as the siege neared its inevitable conclusion. "When the guns are firing I feel quite assured and light of heart, but I am afraid of the silence." Polish troops had arrived at his house on the 26th, setting up a new defensive perimeter as the Germans closed in, but the following day the soldiers were just as suddenly withdrawn. The city had surrendered.

The aftermath

As many as 40,000 civilians had died during the siege of Warsaw. Following its capture, the Jewish population was to suffer most at the hands of the German occupiers, first forced to live in a cramped ghetto (where an estimated 83,000 would die of disease and starvation) and later transported to death camps for more organised extermination.

Warsaw's capture had never been in doubt from the moment it was fixed as the target of the German offensive, and events elsewhere had ensured a similar fate for the entire country.

The Ribbentrop-Molotov pact, signed just before the opening of the war, had called for the partition of Poland between Germany and the Soviet Union. As Poland hung grimly on, waiting for the promised assistance from its allies in the west, Russian forces massed along its eastern border.

This army was far inferior to the one that had rolled over Poland's western borders a few weeks earlier. The Soviet army was badly led and organised, but it did not need to do much more than occupy the territory allotted to it under the terms of the Molotov-Ribbentrop pact – Poland had shifted almost all its forces to the west to face the Germans. The two great armies, unaware that they would shortly be pitted against each other, calmly divided Poland between themselves.

The cost of defeat for Warsaw was immense. At the end of the war, when Soviet forces 'liberated' the city, they would find a population of just 174,000.

SIEGE OF WARSAW



04 THE NORTHERN APPROACH

By 15 September the Germans are back, this time approaching the city from the north, along both banks of the Vistula River. The suburb of Praga, on the east bank, is the focus of the assault.

06 BLACK MONDAY

The city is surrounded by 12 German divisions. On 25 September a huge artillery bombardment, along with bombing raids by 1,200 Luftwaffe planes, rocks the city.

05 THE FLIGHT OF ARMY POZNAN

Having staged a brave but doomed counter-attack, the remnants of Army Poznan fights its way into Warsaw. The attack has bought precious days for the organisation of defences in the city, but the situation is increasingly desperate.

08 THE FINAL SURRENDER

With Hitler ordering that no civilians are to be allowed to leave the city, Polish commanders recognise the pointlessness of further resistance. On the evening of 26 September talks open with the Germans and the city surrenders the following day.

07 FALL OF THE FORTS

A string of obsolescent forts to the south of the city, which offer more comfort to the civilian population than concern for the Germans, are overwhelmed by infantry assaults on 26 September. The southern route into Warsaw lies open.

FORT CZERIAKOWSKI

FORT DABROWSKI

FORT MOKOTOWSKI

02 THE POLISH COMMAND WITHDRAWS

Fearing that an encirclement of Warsaw is inevitable, Polish commander Eduard Rydz-Smigly orders the removal of the Polish command headquarters, sparking a temporary panic in the city.

03 THE PANZERS ARRIVE

On 7 September, German tanks arrive on the southwestern outskirts of the city. The following day they push into the suburbs at Ochota, but are repulsed by anti-tank and artillery fire. The panzers are then withdrawn to help deal with a Polish counter-attack.

01 THE LUFTWAFFE STRIKES

On the first day of the war, the Luftwaffe bombs Warsaw, but determined defence from the two squadrons of the Polish 'Pursuit Brigade' (which shot down 42 German planes in the first six days of the war), along with bad weather, limits the effectiveness of these initial air raids.

FORT SZCZESLIWICKI



BATTLE OF THE ATLANTIC

Discover the key role played by the USA in the longest campaign of World War II

WORDS SCOTT REEVES

THE BATTLE BEGINS

3 SEPTEMBER 1939

Just hours after Neville Chamberlain told the British people they were at war with Germany, the first shots of the conflict were fired. Those on board the passenger liner SS Athenia were unaware it was being tracked by the German submarine U-30. Two torpedoes were fired when the liner was 322 kilometres off the north west coast of Ireland, causing it to sink in 14 hours with the loss of 117 lives, including 28 Americans.

The targeting of the Athenia indicated Germany was adopting a policy of unrestricted submarine warfare. According to the accepted rules of war, the U-boat commander should have searched the liner and only captured or sunk it if it was engaged in military activity or refused to stop. The Battle of the Atlantic had begun in a particularly cruel manner.

One of the 1,301 survivors of the Athenia sinking returns to Galway Harbour

A U-boat shells an unknown merchant vessel in the Atlantic – action like this served to increase hostility to the Nazis in America

THE BATTLE IS NAMED

30 SEPTEMBER 1940

In Missouri's *St Joseph News-Press*, journalist Ernest Lindley became one of the first to refer to "the Battle of the Atlantic".

OCCUPATION OF GREENLAND

9 APRIL 1941

President Roosevelt created the protectorate of Greenland to ensure that the US neutrality zone in the western Atlantic remained intact.

MERCHANT SHIPS TARGETED

21 MAY 1941

SS Robin Moor, an American merchant ship, was carrying general cargo when it was stopped by the German submarine U-69 1,207 kilometres west of Sierra Leone. Despite flying a neutral flag, the 46 crew and passengers were given 30 minutes to board the lifeboats. Once they were safely in the water, the submarine fired a torpedo at Robin Moor's rudder and shelled the bridge. The lifeboats were abandoned by the submarine with only four loaves of bread and two tins of butter to sustain them until their rescue, days later.

American merchantmen now feared an unprovoked raid from beneath the waves. Hitler feared that the actions of his U-boat commander might provoke the US into war and ordered similar attacks to cease, but it was too late to prevent the growth of anti-German feeling in the USA.

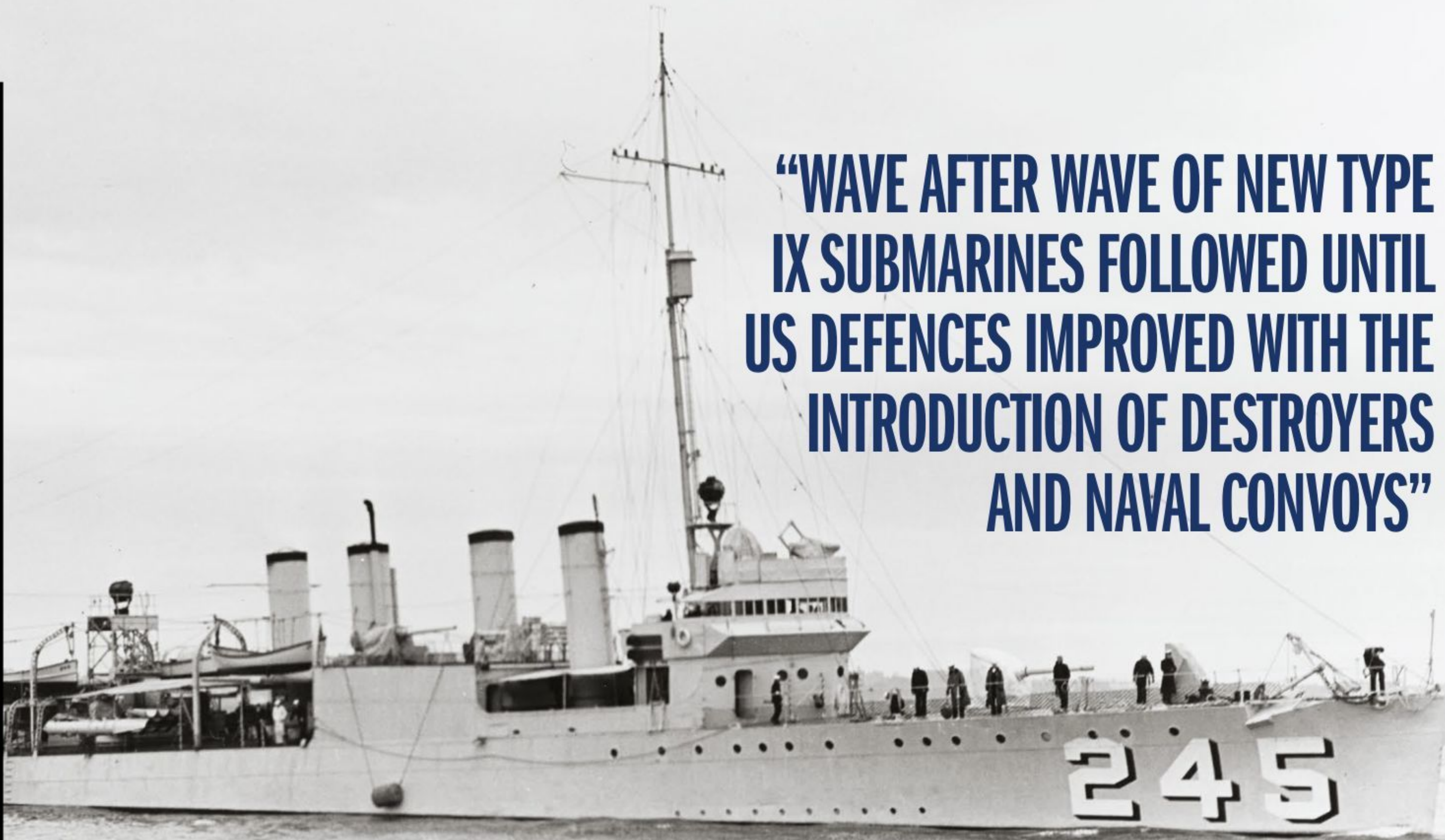
**THE SINKING OF
USS REUBEN JAMES**

31 OCTOBER 1941

President Roosevelt had tried to ensure US neutrality through the creation of the Pan-American Security Zone, a region of the western Atlantic in which acts of war would not be tolerated. To enforce the zone, the US military conducted sea and air patrols. Stretching the definition of 'neutral' to the limit, from 1941 US Navy ships escorted Allied convoys across the Security Zone to ensure no belligerent acts took place in it.

On Halloween 1941, US destroyer Reuben James was on convoy escort duty when it was struck by a torpedo fired by U-552. An explosion in the forward magazine ripped apart the bow and the ship sank immediately with the loss of 115 of the 160-man crew. The sinking of the first US Navy ship, before the nation had officially joined the war, further increased tensions between Germany and the USA.

**"WAVE AFTER WAVE OF NEW TYPE
IX SUBMARINES FOLLOWED UNTIL
US DEFENCES IMPROVED WITH THE
INTRODUCTION OF DESTROYERS
AND NAVAL CONVOYS"**



OPERATION DRUMBEAT

13 JANUARY 1942

The first U-boats reached US waters in Operation Drumbeat, a patrol targeting Allied shipping off the North American coast.

*The torpedo that sank
Reuben James was
probably intended to strike
one of the merchant ships
it was escorting*

*Dixie Arrow, one of many
American tankers lost off
the east coast in 1942*

DECLARATION OF WAR

11 DECEMBER 1941

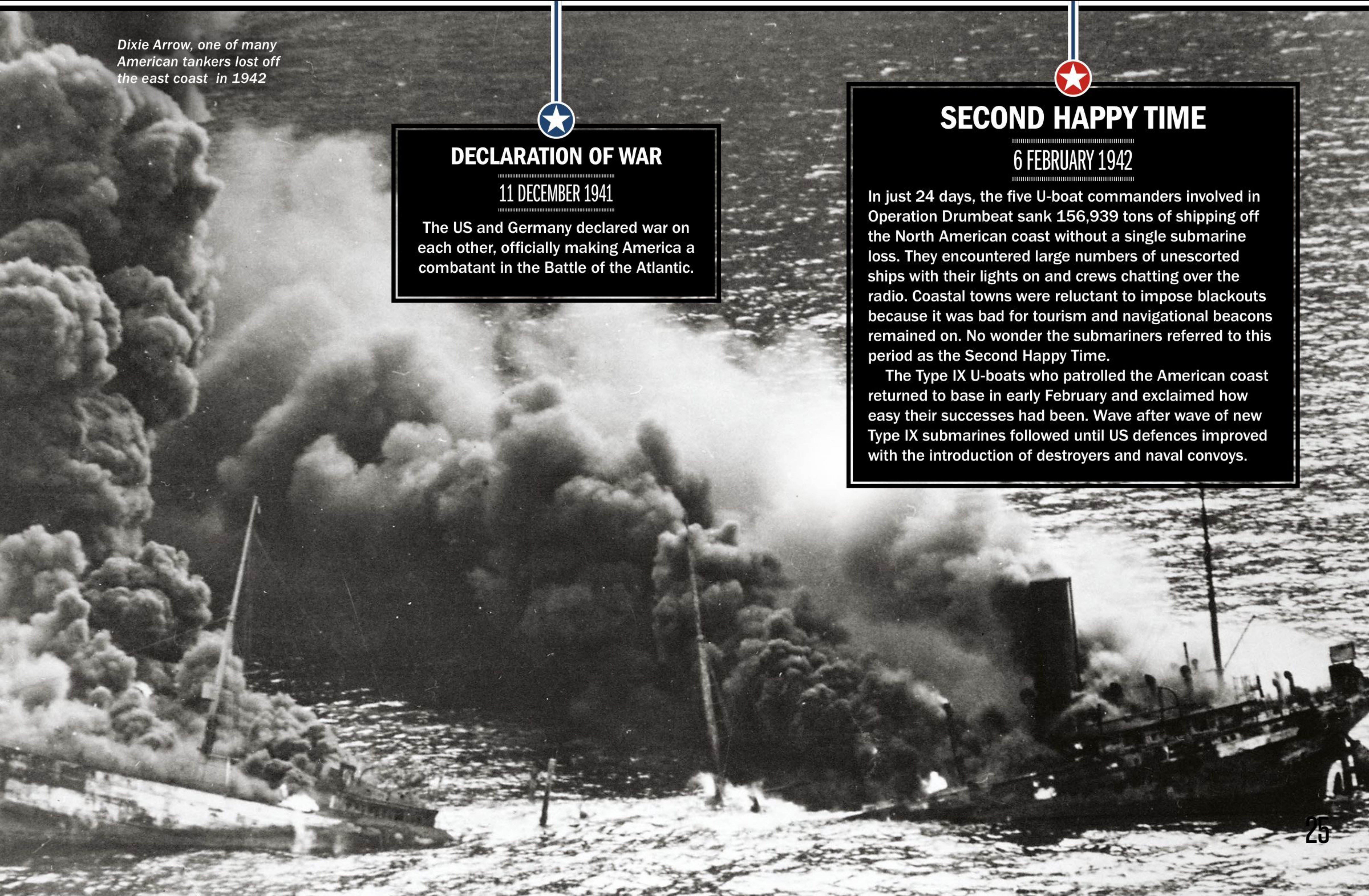
The US and Germany declared war on each other, officially making America a combatant in the Battle of the Atlantic.

SECOND HAPPY TIME

6 FEBRUARY 1942

In just 24 days, the five U-boat commanders involved in Operation Drumbeat sank 156,939 tons of shipping off the North American coast without a single submarine loss. They encountered large numbers of unescorted ships with their lights on and crews chatting over the radio. Coastal towns were reluctant to impose blackouts because it was bad for tourism and navigational beacons remained on. No wonder the submariners referred to this period as the Second Happy Time.

The Type IX U-boats who patrolled the American coast returned to base in early February and exclaimed how easy their successes had been. Wave after wave of new Type IX submarines followed until US defences improved with the introduction of destroyers and naval convoys.



FIRST U-BOAT SUNK

14 APRIL 1942

A shift in the balance of power on the eastern seaboard began with a frantic midnight engagement in April 1942. USS Roper, a destroyer, used its British radar system to detect a surfaced submarine lying close to Bodie Island Light in North Carolina. The U-boat, U-85, turned away and fled south, unsuccessfully firing a torpedo when Roper got too close. The submarine dived after the range closed further, but not before being raked with machine gun fire. After 11 depth charges were dropped, a number of crew were found dead in the water.

U-85 was the first submarine sunk in American waters. By the end of the year, eight more suffered the same fate – the result of an increased number of US ships on coastal patrol and the use of convoys in American waters.

CAPTURE OF KLAUS BARGSTEN

2 JUNE 1943

Captain Klaus Bargsten was reading in his bunk in the early hours of the morning when the submarine he commanded, U-521, was attacked by a US Navy submarine chaser. The depth charges rendered many of the sub's instruments ineffective, so Bargsten ordered the U-boat to surface and climbed the conning tower to make a visual inspection of the damage. However, the submarine chaser was still on the prowl and hit U-521 with artillery fire. Bargsten made the order to abandon ship, but the U-boat sank quickly before anybody else could get out.

Bargsten, the sole survivor, was plucked from the sea and taken to Norfolk Naval Base for questioning. The information he provided shed light on several unexplained losses and encounters, and also provided an insight into U-boat tactics and strategy.

U-WHALE

28 FEBRUARY 1942

A large-scale sub hunt involving three US vessels ended in embarrassment when the target turned out to be a whale.

The 29 dead submariners from U-85 were buried in Virginia in a night-time ceremony

BLACK MAY

24 MAY 1943

The U-boat campaign was temporarily halted after one-quarter of operational submarines were sunk in the month of May.

THE MID-ATLANTIC GAP CLOSES

18 MARCH 1943

The battle reached a turning point in the spring of 1943 as U-boat losses increased while their tallies of victims decreased. Part of the reason submarines became less effective was the closing of the mid-Atlantic gap, a strip of ocean previously unreachable by aircraft, leaving convoys more vulnerable to underwater wolfpacks.

In the middle of March, President Roosevelt issued the second of only two direct orders during the war (the first was to give Operation Torch precedence over other campaigns). Roosevelt ordered his chief of naval operations to transfer 60 B-24 Liberators from the Pacific to the Atlantic. These aircraft were stripped of armour to give them a longer range and were able to attack surfaced submarines. The 'Black Pit' of the mid-Atlantic was no longer quite so dangerous.

BX AND XB CONVOYS

20 MARCH 1942

A new system of convoys is initiated between Boston and Halifax to counter the U-boat threat along North America's east coast.

U-848 attempts – ultimately without success – to escape US Navy Liberator from which this photograph was taken

Captured submariners like this one from April 1943 were a rare source of intelligence – two-thirds of U-boats sunk that year left no survivors

CAPTURE OF U-505

4 JUNE 1944

U-505 was captured by the US Navy – the code books and machines on board helped the Allies crack the Enigma code.

CONVOY HX 300 ARRIVES SAFELY

3 AUGUST 1944

On 17 July, 102 merchant ships – 76 of which flew an American flag – set sail from New York with a naval escort. Over the next three days they met up with merchant ships sailing from Canada, creating the largest convoy of the war. During the tense crossing of the Atlantic, all eyes were on the water, keeping a watch for prowling U-boat wolfpacks. However, three weeks later, every ship had docked without a single submarine attack having occurred.

The vast majority of the American vessels were Liberty ships, a low-cost, mass-produced cargo ship churned out in great number by American shipyards during the war. American industry was able to vastly exceed the losses suffered at the hands of the U-boats – in total, 2,710 Liberty ships totalling 38.5 million tons were constructed during the war.

SURRENDER OF GERMANY

8 MAY 1945

The German admission of defeat brought to an official end the longest continuous campaign of World War II.

Convoys offered greater protection than single ships; the numbers in them grew as the war progressed

PAUL HAMILTON SINKS

20 APRIL 1944

The German threat in the Battle of the Atlantic was not confined to submarine warfare. One of the most deadly attacks occurred when Paul Hamilton, a Liberty ship transporting troops and high explosives, was attacked by Luftwaffe bombers.

The flight of 23 Junkers Ju 88 that sank Paul Hamilton sighted the ship – voyaging from Hampton Roads to Gibraltar – when it was 48 kilometres off the coast of Algeria. Being a veteran of four previous convoys meant nothing when the bombers dived low and fast to avoid anti-aircraft fire. A successful torpedo strike ignited the high explosives on board, causing a massive explosion. When the smoke cleared, no trace of the ship remained.

580 were killed when the Paul Hamilton was destroyed, making it one of the costliest Liberty ship losses of the war

D-DAY

6 JUNE 1944

The heavily defended U-boat bases in France were bypassed by the Allied liberators as they were not considered targets of strategic value.

LAST ACTION IN AMERICAN WATERS

6 MAY 1945

By the last months of the war, submarine attacks had reduced to little more than inconveniences. On 5 May, the final American merchant ship was sunk in the war when U-853, lying in wait off Point Judith, Rhode Island, fired on the coal ship Black Point. The attack led to an overnight search and destroy mission in which a US destroyer, two destroyer escorts and a frigate dropped over 100 depth charges. Aerial support came in the guise of two airships the following morning.

When planking, life rafts, clothing and an officer's cap floated to the surface, the destruction of the U-boat was confirmed with the loss of all 55 men on board. The same morning, U-881 was destroyed by depth charges dropped from USS Farquhar off the coast of Newfoundland. The U-boat threat was finally over.

Depth charges explode in the hunt for U-853 off Rhode Island



German troops march towards the Arc de Triomphe following the Nazi occupation of France in 1940

THE FALL OF FRANCE

10 MAY – 25 JUNE 1940

Poland had fallen quickly, but everyone expected France to put up stiffer resistance – until the Germans attacked

WORDS DAVID SMITH

The style of warfare unleashed by Nazi Germany at the start of World War II was not new. The shocking demolition of Poland's armed forces had been breathtaking and bold, but it followed long-established German strategic principles.

Germany could not afford to engage in protracted wars of attrition. World War I had proved what the outcome of such a conflict was likely to be. The nation did not have the natural resources required for a war effort lasting years, while its limited coastline made blockades easy to enforce. Germany had always needed to seek a quick knock-out blow, and the plans for World War I had conformed to that need, before it had become bogged down in static trench warfare.

Nevertheless, the world saw Germany's tactics as something new, and would christen it blitzkrieg – 'lightning war'.

Following the fall of Poland, Europe braced itself for the next blow. When it came, it would be on a scale unseen before. What was most remarkable, however, was not the methods employed by the Germans, but the sheer audacity of a small group of commanders. Men like Heinz Guderian simply ignored the misgivings (and sometimes the direct orders) of their superiors.

The German Army as a whole had no faith in or understanding of the tactics championed by Guderian. Repeatedly, the commanders of Germany's massive army groups would caution against advancing too quickly or stretching lines of communication too thinly. Men like Gerd von Rundstedt, commander of Army Group A, were not disciples of blitzkrieg, and were openly

hostile to the plans put forward by Guderian. Their misgivings seem misplaced in hindsight, but at the time there were solid reasons for their doubts.

The plan to smash the Allies in the opening phases of the invasion of France was breathtaking in its scale. An entire army group, Army Group B, was to be used as a diversion, attacking through northern Belgium and the Netherlands and drawing the Allies northwards to meet them. Meanwhile, Army Group A would move through the Ardennes into Belgium and Luxembourg.

There were reasons why the Allies were likely to fall for this ruse. Firstly, an attack through northern Belgium was anticipated. Secondly, the Germans would devote much of their air power to the feint, to both destroy Allied air forces and reinforce the deception. Thirdly, the Ardennes were believed to be impassable to large armoured formations.

The German troops that opened the German campaign, Case Yellow, on 10 May 1940, were not the unstoppable war machine of common perception. Only ten of the 135 divisions allocated to the offensive were mechanised. The vast bulk

of the men were plodding infantry, marching on foot or on horse-drawn carts.

Where Guderian's plan excelled was in its concentration of force. The cutting edge of the newly formed armoured divisions were the panzers, but they required infantry support. Rather than allowing the infantry to slow his tanks down, Guderian mounted them in vehicles of their own, so the entire division could move at high speed. There were limited resources, ten armoured divisions would make up the spearhead of Army Group A for the thrust through the Ardennes, with a corps commanded by Guderian himself, comprising three panzer divisions, the tip of the spearhead.

Superb communications would be key (German tanks were equipped with excellent radio systems), as would the initiative allowed junior commanders. Rather than sticking to rigid orders, they would be free to think on their feet and react to developments.

Speed of movement would be the Germans' secret weapon. Army Group A planned to cover the 100 miles from Germany's border to the banks

DELIVERANCE AT DUNKIRK

The war had opened in shocking fashion, but Dunkirk allowed the British to fight another day

Dunkirk is hailed as a triumph, but although rescuing nearly a quarter of a million men from death or capture was a major feat, the BEF had suffered an extraordinary defeat at the hands of the Germans.

Relatively small, it was nevertheless an extremely modern army, equipped as well as the Germans. All that changed when the soldiers were evacuated. Left behind were 66,426 men, 25,000 of whom were dead or wounded. Fewer than 5,000 of the nearly 67,000 vehicles taken to the continent with the BEF made the return journey. Artillery was a similarly disastrous story, with 2,472 of the 2,794 guns of the BEF abandoned. As an invasion of Britain loomed, there were 54 anti-tank guns left in the entire country.

The Royal Navy lost six destroyers during the evacuation, and 19 more were damaged. More than 400 fighters had been downed, among total losses of around 1,000 planes.

Despite this, there was a feeling of huge relief that most of the men had been brought home. The prime minister recognised this relief, but was cautious not to overstate it.

"We must be very careful," Winston Churchill warned, "not to assign to this deliverance the attributes of a victory. Wars are not won by evacuations. But there was a victory inside this deliverance, which should be noted."

The RAF had just 524 fighters available in June 1940. These few planes would bear the brunt of the next phase of the war.



British soldiers on board a ship during the evacuation of Dunkirk

Heinz Guderian, the Germans' visionary proponent of blitzkrieg





The bulk of Germany's invasion force marched on foot or under horse power

of the Meuse River in just three days. It was scheduled to cross the next day and then keep moving, pushing all the way to the Channel.

Senior army commanders either smirked at the ambition of such a plan, or expressed genuine concern, but Guderian had the utmost faith in his own tactics. Reserve panzer crews were carried on vehicles to make sure the tanks did not need to stop. Refuelling depots were set up along the route of march and supplies were carried by the vehicles themselves. Amphetamines were liberally supplied to the men who would be expected to remain awake and able to fight for three consecutive nights after crossing the Meuse.

The Allies were well equipped, in terms of men and materiel, to counter the German offensive. There were less than 2,500 tanks in the German armies, while the Allies had over 4,000. Importantly, the Allied tanks were often superior in terms of armour and weaponry.

Air power was fairly equal. The Luftwaffe had 2,500 planes available at the opening of the campaign. The French had 900 and the British added 500, in addition to the air forces of Belgium and the Netherlands.

Where the Germans held the advantage was in choosing their point of attack. With the Allies dispersed to guard against many different scenarios, there was a window of opportunity. If

“AIR STRIKES BEGAN ON THE MORNING OF 10 MAY. EQUALLY MATCHED IN THE AIR, THE GERMANS CONCENTRATED ON DESTROYING ALLIED PLANES ON THE GROUND”

the German advance stalled for any reason, the ponderous Allied armies could converge and stop it in its tracks.

Air strikes began on the morning of 10 May. Equally matched in the air, the Germans concentrated on destroying Allied planes on the ground, wiping out the bulk of the Dutch Air Force in this manner. By 13 May, the Germans had reached the coast of the Netherlands.

To the south, the move through the Ardennes had become a near farcical mess as divisions crossed each other and got caught in a 170-mile traffic jam. Critically, enough of the armoured divisions had got through to reach the Meuse and make a crossing ahead of schedule. Guderian now pushed on, flogging his men and machines in a race to the coast. It was risky in the extreme, as he was moving past the bulk of the French Army and was highly vulnerable to a flank attack, but the French moved with agonising slowness. Where they did get close enough to engage the Germans, they were badly mauled. The French 1st Armoured Division, with 170 tanks, found itself

reduced to just 36 tanks in one day of fighting. Although the French often had superior machines, the Germans integrated their anti-tank guns far more effectively with their panzers, effectively running circles around the French, isolating their tanks and destroying them in huge numbers.

Total disaster soon faced the British Expeditionary Force, enclosed in a shrinking pocket around the port of Dunkirk. Tens of thousands of French soldiers were trapped as well, but now the German high command betrayed Guderian and his exhausted men. Hitler's infamous 'Halt Order', delivered on 24 May, forced the panzers to stop. Guderian could ignore the orders of his commanding general, but not the Führer himself. A mistaken belief that the terrain around Dunkirk was unsuitable for tanks, and the boasts of Hermann Göring that he could finish off the Allies at Dunkirk with his Luftwaffe, persuaded Hitler to call off the tanks. The British were able to evacuate the bulk of their men, as well as 122,000 French soldiers, but the Battle of France was far from over.



French colonial troops surrender to German soldiers

There were still thousands of British troops in France, as well as a significant air force, and a new defensive line was established, this time running along the Somme and Aisne rivers. Almost incredibly, Britain sent more troops back over to France just days after plucking men from Dunkirk. Almost all of the rescued French were also repatriated.

But France was a spent force. Germany switched to Case Red, which planned for the complete destruction of France's armed forces, but the job was already mostly done. Having lost more than a million men, dead, wounded or taken prisoner, France was staggering, with just 64 divisions left to face the German invaders. Many of the units were also in a terrible state as far as morale was concerned.

Two days after the Germans occupied Paris, on 14 June, Britain staged a second major evacuation, lifting 124,000 men from France. A desperate plan to merge Britain and France as a single united country to continue the fight came to nothing, and France signed an armistice with Germany on 22 June.

The fall of France had happened more quickly than anyone had dreamed possible. Anyone, that is, except the visionary commanders like Guderian, who had proved that blitzkrieg could bring a major power to its knees in a matter of weeks.



ABOVE The British Expeditionary Force was small at the start of the campaign, but well equipped

Supermarine Spitfires, the most famous RAF planes of the entire war, bask in the sun's rays



BATTLE OF BRITAIN

JULY - OCTOBER 1940

Following the fall of France, Germany set its sights on Britain, and only the men of the Royal Air Force stood in the way

WORDS DAVID SMITH

Few battles have names that resonate as much as that attached to the fighting over the skies of Britain at the end of 1940. At the time, the public viewed the actions of the Royal Air Force both as stirring testament to the grit of the nation, and as a last stand against the might of Nazi Germany.

The fighting between Messerschmitt and Spitfire, and between Hurricane and Heinkel, did not take place in a vacuum. Both the Germans and British knew that it was just the preliminary stage of the planned invasion of England. If the RAF cracked, Britain faced the same fate as Poland, Belgium, the Netherlands and France. A few hundred fighter planes were all that held the German war machine at bay across the Channel.

Despite its importance, the dates encompassing the Battle of Britain are difficult to pin down. Debate continues over when it started and when it finished. This is partly because it blew up and then petered out like a storm, with the most intense and recognisable action taking place through August, September and October of 1940. But Germany's air campaign had started before then, and would continue afterwards.

Further confusion is added by the shifting nature of the campaign. As the Germans looked for a weak spot, they continually changed their emphasis, giving the battle several distinct phases. Battle of Britain Day is commemorated on 15 September, but settling on a definitive start and end date is all but impossible.

In July, Hitler was still hoping that Britain would come to the negotiating table and thrash out the terms for peace. RAF planes were bombing Germany in a disjointed and haphazard manner (41 missions were mounted in July), but the period was mostly devoted to recovery. Following its exertions in the Battle of France and the retreat from Dunkirk, Fighter Command

was gathering itself for the next test. This was expected to come in August.

For the campaign, the Luftwaffe amassed 3,358 planes, with more than a thousand of them fighters. The RAF could counter with similar numbers, but the Germans had a slight edge in ready-to-fly fighter planes, with 805 compared to the RAF's 715. The resonant phrase 'the few' could fairly be attributed to both sides.

German plans anticipated that the campaign proper would start on 13 August. Hermann Göring spoke of the 'attack of the Eagles' in ominous tones, but missions had actually started the previous month, and 10 July is often put forward as the real start of the battle. It was an uncertain and tentative start. The Luftwaffe took time to feel out Britain's defences, launching exploratory raids on the coast in daylight and venturing further inland under cover of darkness.

The Germans undoubtedly gathered useful intelligence from this opening phase of the battle, but the RAF arguably learned more. Most importantly, British pilots discovered that their doctrine of flying in threes was too rigid when pitted against the loose, two-plane formations of the Germans. Luftwaffe pilots hunted in pairs, with one plane hanging back and covering its partner. The RAF pilots quickly adjusted.

In turn, the Germans learned that their flight formations were faulty. The bombers initially went in with a fighter umbrella above and behind them. This created the opportunity for the bombers to be mauled before the German fighters closed in, so they eventually drew closer to their bombers, until they actually flew in front and on the flanks of their formations. These were just the first of many moves and counter-moves that would punctuate the battle.

In August, the Luftwaffe was tasked with degrading Fighter Command's combat ability by concentrating attacks on its bases, rather than on the planes in the air. It was a potentially devastating tactic, but one that was swiftly

countered by the RAF. Bad weather prevented the wholesale implementation of the initiative until 18 August, but 12 August to 6 September saw some of the most intense fighting of the battle. A total of 32 raids were mounted against Fighter Command bases during that period.

The results were surprising. Only 56 British fighters were destroyed on the ground. Initial successes quickly prompted the RAF to disperse their planes, adopt improved camouflage techniques and even house planes at remote airfields. A significant portion of the available fighter strength was also dedicated to protecting the bases, with patrols mounted to limit the possibility of surprise attacks (the planes of 10 and 12 Groups were held back to guard the airfields, while those of 11 Group tackled the raiders).

Importantly, the Germans believed their attacks had been far more effective than they actually had. With an invasion date of 15 September in mind, they congratulated themselves on putting eight Fighter Command bases out of action. In reality, although several bases were damaged



A Spitfire pilot after returning from a sortie

A squadron of German Messerschmitt fighters cross the English Channel



A view from the nose of a Heinkel He 111 bomber during the battle

and forced to cease operations for short periods, none were permanently knocked out.

Overestimating their successes perhaps led the Germans to persevere with a failing tactic for too long. By September, they believed they had whittled British fighter numbers down to just 100. In truth, there were 701 fighters available on 1 September, and this number was steadily rising. It reached 738 on the 6th of that month.

In reality, neither side found it possible to accurately track enemy losses, but British overestimations were a boost to morale, while German errors obscured the futility of their methods. In fact, it was a remarkably even contest, and both sides were finding themselves worn down by the ceaseless fighting. RAF fighter numbers may have been rising, but that was only because production of new planes was holding at an impressive level. New pilots were also funnelled into the maelstrom at the rate of more than 300 per month.

By the end of August, it was German pilots who were showing signs of 'nervous exhaustion'. Their losses were also harder to make good. A German pilot shot down over Britain would either die or spend the rest of the war in a POW camp,

while an RAF pilot had a fighting chance of being back in a plane the next day. This reality led to the practice of German pilots machine-gunning their RAF counterparts as they parachuted down to earth. Though an unpleasant facet of the battle, both sides agreed that it was acceptable under the rules of war.

Much has been written on the superiority of British planes to those employed by the Germans. An early casualty of the battle had been the fearsome Stuka. A propagandist's dream, the screaming divebomber had been the scourge of continental Europe, but was unsuited to tackling RAF fighters. Devastating losses saw it pulled out of the fray in August.

Elsewhere, things weren't so clear-cut. The Spitfire was certainly an exceptional aircraft, but during these early stages of the war it had its weaknesses. Most obvious was its reliance on .303 machine guns. Packing four in each wing sounds formidable, but such small bullets often had little effect on a target, especially if fired from long range. To make matters worse, a Spitfire only carried enough for around 15 seconds of firing.

The Messerschmitt Bf 109, by comparison, had a pair of 20mm cannons, as well as machine guns



Hermann Göring, the most senior soldier in Germany, promised Adolf Hitler that his planes could batter the RAF into submission



ABOVE Pilots of 303 Squadron, with a Hawker Hurricane in the background

THE WONDERFUL MADMEN

RAF pilots hailed from all corners of the globe, but one nation made a special contribution

The RAF was desperately short of fighter pilots as the Battle of Britain opened. No fewer than 284 pilots had been lost in France, but help was at hand from a variety of sources. Canadians, New Zealanders and Czechs, among many other nations, played their part, but no country was more important than Poland.

Originally dispersed among mixed squadrons, Polish pilots were soon organised into four dedicated units. The men of 303 Squadron would emerge as an elite force, described as 'wonderful madmen' by one impressed observer.

Having been trained to fly Hurricanes, 303 Squadron entered the fray on 31 August, claiming six kills on its first day of action. On 5 September, the nine Hurricanes the squadron was able to put in the air shot down eight German planes for the loss of just one.

Out of 37 Polish pilots who fought with the squadron (there were two British, one Canadian, one Slovak and one Czech pilot as well), nine lost their lives in six weeks of fighting during the Battle of Britain. They shot down 126 German planes, the highest number achieved by any squadron in the RAF during the battle.

and carried significantly more ammunition. It was also the superior flying machine at high altitudes. The result was that the RAF lost a higher number of fighters than the Luftwaffe, but the Germans also suffered crippling bomber losses. From 7-15 September, the Luftwaffe lost almost 300 aircraft. Less than 100 of those were fighters, while the RAF lost 120 fighter planes.

By this point, the battle had entered another new phase. On 4 September, Hitler ordered Luftwaffe attacks to focus on British cities.

This was not a concerted terror campaign. Targets were limited to legitimate industrial and military installations, but accuracy was impossible with the technology of the day. Damage to civilian buildings was inevitable, and the death toll among the British population began to climb.

On 15 September, remembered now as Battle of Britain Day, the Luftwaffe mounted a massive raid, with 200 bombers and an armada of fighter escorts. The RAF claimed to have shot down 185 aircraft – a wildly optimistic number that may simply have been made up for propaganda purposes. In fact, 60 German planes were lost (34 bombers and 26 fighters), but even this lower level of attrition was unsustainable. The German

high command took the only option now available: it switched to night-time raids.

As the Battle of Britain merged with the Blitz, the greatest weakness of the Luftwaffe became apparent. The lack of a heavy bomber was critical. Germany's medium bombers lacked the hitting power of the monsters the Allies would unleash over German cities later in the war.

Despite this, German losses dropped as their formations now had to compete with less impressive British night-fighters, including the Bristol Blenheim, the Boulton-Paul Defiant and the Bristol Beaufighter.

By this point, however, the Battle of Britain had been won and lost. German invasion plans were shelved, never to be realised. The exact end of the battle is as debated as the exact start, but with the invasion called off, the ultimate goal of Nazi Germany had been denied.

Losses had been astonishingly even, with the RAF losing over 1,700 planes and the Luftwaffe more than 1,900. The Blitz would see tens of thousands of civilians die, but Hitler would become distracted by his plans to invade the Soviet Union. His great effort to crack the British and knock them out of the war had failed.



A Wehrmacht soldier takes cover during the winter of 1941. Barbarossa claimed the lives of around 200,000 German troops

OPERATION BARBAROSSA

SOVIET UNION 22 JUNE – 5 DECEMBER 1941

Germany's invasion of the Soviet Union was Hitler's greatest gamble of WWII, and the bloody realisation of his most ambitious dreams

WORDS CHARLES GINGER

In the summer of 1940, with much of Europe crushed beneath the boot of a rampant Wehrmacht, Hitler had every reason to be euphoric. His pact with the Soviet Union, signed in August 1939, had held, enabling his forces to sweep through Poland before surging into Western Europe. By late June of 1940, only the British remained to stand against them, the narrow escape of over 300,000 troops from Dunkirk scarred into the national consciousness. And

yet despite a torrent of victories that led Field Marshal Wilhelm Keitel to label Hitler as “the greatest warlord in history”, the Führer was not entirely satisfied.

Britain's refusal to acknowledge Germany's triumph and submit to peace talks puzzled Hitler. After all, he had always been open about his desire for peace, going so far as to “appeal to reason” during his annual speech in the Reichstag on 19 July 1940. To Hitler's chagrin, Churchill and the British people remained

resolute, leading Hitler to surmise that Britain was pinning its hopes on the Soviet Union. Hitler's delusions led him to reason that only the complete annihilation of the Soviets would force Britain to recognise that her cause was lost.

During a conference with his military commanders at his lair in Berchtesgaden, Bavaria, on 31 July 1940, Hitler outlined his most ambitious plans yet: Germany would invade the Soviet Union the following year. “The sooner Russia is crushed, the better,” he explained. “If

we were to start in May 1941, we would have five months to finish the job.”

However, while there were strategic motives behind Hitler’s determination to destroy the USSR, arguably the more pressing desires behind Hitler’s greatest gamble were of an ideological nature. While the summer of 1940 may have witnessed the germination of an idea that would become Operation Barbarossa, a cataclysmic showdown with ‘Judeo-Bolshevism’ was something that Hitler had first mentioned while writing *Mein Kampf* in 1924-25.

When discussing the apparently pressing need for Germany to secure Lebensraum (living space) in order to ensure a future in which the nation would have ample space and resources, Hitler was characteristically blunt when outlining his intended targets. “If we speak of soil in Europe today, we can primarily have in mind only Russia and her border states.” Describing the Slavs of Russia as “an inferior race”, Hitler warned that “the end of Jewish rule in Russia will also be the end of Russia as a state.”

Hitler viewed the fate of the human race as an endless struggle for resources in a finite space, one that would end, in his twisted view, in the eventual triumph of “inferior” races (namely the Jews) unless a “pure” race was willing to fight to prevent them. In his primal opinion, “nature knows no boundaries. She places lifeforms on this globe and then sets them free in a play for power.”

Believing that every evil on Earth could be placed at the feet of Jews, Hitler sought to tear down anything that he perceived as being a Jewish entity or system. Communism, he claimed, was one such policy, and it was this distorted belief that led him to state that it was Germany’s duty to defeat the nation that had given communism a home: the Soviet Union.

Unswerving in his confidence that Britain was already beaten and thereby would not present a second front, Hitler directed the German High Command to begin planning the invasion. The operation was to be codenamed Barbarossa, in honour of the Holy Roman Emperor Frederick Barbarossa, a talented military commander.

Scheduled for 15 May 1941, the operation would see three army groups (North, Centre and South) pouring across the Polish-Soviet border under the respective leadership of Wilhelm Ritter von Leeb, Feodor von Bock and Gerd von Runstedt. Von Leeb’s forces were tasked with taking the Baltics and Leningrad; Bock’s men were to head first to Smolensk and then onto Moscow; and Runstedt was to race to secure the “breadbasket” of Ukraine and the oil-rich Caucasus. Certain of victory, Hitler proudly boasted, “We only have to kick the door in and the whole rotten structure will come crashing down.”

While Germany began to make the necessary preparations for Barbarossa, the target of its impending assault sat paralysed. In the wake

of Stalin’s ruthless purges in the late 1930s, which saw three quarters of the Red Army’s leadership executed or imprisoned, the forces of the USSR were woefully short on both morale and efficiency. To compound its already significant problems, Stalin insisted on controlling the placement of his divisions, further hamstringing the Red Army.

Labouring under the false belief that Hitler could only attack the USSR once he had dealt with Britain, Stalin was sure that any invasion was at least a year away. His obstinate refusal to accept the threat massing on his borders was further emboldened in April 1941 when Stalin received a letter from Winston Churchill warning

of the Germans’ intentions. Instead of heeding the British Prime Minister, Stalin discarded Churchill’s correspondence as an Allied attempt to provoke the Soviets into launching a pre-emptive strike against their German allies.

Although Stalin’s suspicions about Churchill’s true motives may be understandable, his dismissal of the warnings of another, closer source were nothing short of catastrophic. In May of 1941, Richard Sorge, a Soviet spy working in Japan, informed Moscow that Germany was indeed planning to attack, information that he had received from none other than Colonel Eugen Ott, the military attache at the German embassy in Tokyo.

“STALIN INSISTED ON CONTROLLING THE PLACEMENT OF HIS DIVISIONS, FURTHER HAMSTRINGING THE RED ARMY”

German soldiers attack a Soviet bunker with a Flammenwerfer, which was capable of spitting flames up to 25 metres



Amazingly, even when Sorge provided a date of 20 June 1941 (just two days off the actual launch date of 22 June), Stalin remained implacable, the Soviet ruler insisting that Hitler was not “such an idiot” as to risk a war on two fronts. Less than a month after receiving Sorge’s report, Stalin would be proven spectacularly wrong.

A five-week delay due to Hitler’s decision to invade Yugoslavia in May 1941 after its pro-Nazi government had been toppled meant Germany was not ready to unleash its eastern campaign until June. Barbarossa was to be a campaign of extermination, with the ruthless removal of the elites and mass starvation employed as a method of subjugating Soviet cities. In fact, the German High Command went so far as to devise a ‘Hunger Plan’ that would see food taken from the Soviet Union and given to German soldiers and citizens. (According to historian Timothy Snyder, approximately 4.2 million Soviet civilians were starved to death between 1941 and 1944.) No quarter was to be given.

At 3.15am on 22 June, thousands of Luftwaffe engines burst into life to signal the beginning of Barbarossa, the fleet sailing high over the German assault boats bobbing on the River Bug in anticipation. As the planes zeroed in on their targets (airfields lined with neat rows of stationary Soviet planes), thousands of German artillery pieces began to belch flame into the sky. Hitler was finally attacking the entity he loathed the most, and he’d gathered 3.8 million soldiers (including Romanians, Italians and Slovaks) for

“MANY BORDER GUARDS WERE GUNNED DOWN IN THEIR NIGHTWEAR, THEIR HOMES AND FAMILIES ENGULFED IN FLAMES”

the job, well-trained men supported by 600,000 vehicles, 3,350 armoured vehicles, 3,000 aircraft and 500,000 horses.

As millions of troops raced into the USSR, their counterparts radioed their superiors demanding to know what to do. Such was the shock of the assault that many border guards were gunned down in their nightwear, their homes and families engulfed in the flames of the bombardment. Despite this, Stalin was still – inexplicably – wary of some Allied trick, and ordered that nothing be done to provoke the Germans.

In all their wildest dreams, the German commanders could never have dared to hope to find their adversaries so woefully off guard. Many of the Soviets’ defensive positions lacked the weaponry needed to counter a concentrated Panzer attack, and they could not hope to rely on any aid from above; on the first day of the operation the Soviets lost approximately 1,800 planes to the Luftwaffe’s 35.

Within two days of the start of the attack, many of the 49 German Panzer battalions selected for the invasion were 50 miles inside the USSR. By 28 June over 400,000 Soviet troops were encircled outside of Minsk as the Second Panzer Group, under the command of General Heinz Guderian, linked up with Hermann Hoth’s Third Panzer Group.

To the north, General von Leeb was faring just as well, his troops hailed as emancipators by the violently suppressed peoples of the Baltics, many of them actively helping the Germans by attacking Red Army positions. However, the invaders certainly didn’t have it all their way.

Army Group South, charged with taking Kiev and then hurrying on to the priceless oil fields of the Caucasus, was finding the going difficult in the face of determined resistance. Rundstedt was doubly unfortunate as he was not only marching on the most heavily defended region of the frontlines, but his men were doing so as KV and T-34 tanks (the latter the best all-round tank of the entire war) rolled towards them. While the central and northern thrusts of the German army continued to slice into Soviet territory, Rundstedt found himself increasingly bogged down. His failure to keep up with the rest would ultimately prove fatal for Hitler’s hopes of a rapid victory. Yet as July approached, the overall picture from a German perspective seemed unexpectedly rosey.

Upon finally realising that Hitler had betrayed him, Stalin had fallen into a stupor of despair that lasted for over a week. Now, with machinery being evacuated from Ukraine, Stalin finally began to emerge from his trance, and on 3 July he addressed the Soviet people as his “comrades” as he called on them to “selflessly join our patriotic war of liberation against the fascist enslavers.”

While the idea the Soviet people were fighting to defend a communist utopia that upheld their rights and shunned the violence so freely used by the Wehrmacht (especially the SS divisions attached to it) is laughable, Stalin was not exaggerating when he referred to the threat of enslavement. From the outset of the war, Hitler had expressed his desire to carve Germany’s new eastern territories into a series of states

The haunting frames of German armoured vehicles and jeeps litter the edge of a forest, left behind by their retreating owners



Soviet bombers soar over Moscow. Following horrendous losses in the early stages of the war, the Red Army Air Force gradually recovered and played a key role in offensive operations



filled with Soviet slaves. A cruel and manipulative tyrant he may have been, but in his speech at the start of July Stalin was, for once, telling his people at least some of the truth.

On the same day that Stalin addressed the nation, German General Franz Halder, Chief of Staff of Army High Command, confided in his diary that it was “no overstatement to say that the Russian campaign has been won in the space of two weeks.” In hindsight this statement reeks of hubris, but at the time German confidence was more than justified. By 13 July the German armies had advanced between 300 and 600 kilometres, incapacitated (either by killing, injuring or capturing) over 589,000 enemy soldiers and obliterated over 6,850 aircraft. The

Wehrmacht was edging ever closer to Moscow, and the First Battle of Smolensk was about to finish with the entrapment of almost 760,000 Soviet troops. A glorious triumph loomed. Then came a High Command directive that would change everything.

On Saturday, 19 July 1941, Hitler issued an order that the Soviet armies trapped around Smolensk (the 16th, 19th and 20th) were to be utterly destroyed before Army Group Centre advanced, not towards Moscow, but south to the outskirts of Kiev to aid Army Group South, which was still 50 miles outside of the Ukrainian capital.

Longing to continue the drive for Moscow, both Halder and von Bock were adamant that

THE SHADOW OF EVIL

Barbarossa was not just a military operation; it was a race war. The Nazis planned to ethnically cleanse Russia

The Einsatzgruppen (SS death squads) tasked with following the Wehrmacht into the Soviet Union were ruthless in the execution of their primary task: murdering civilians. From Soviet commissars to Jews and Romani, millions of innocent people were shot, hanged or otherwise killed by the prowling SS commandos scouring the lands already scorched by the advancing German army. The predominant method of execution involved lining victims (including women, children and the elderly) along the edge of pits they had been forced to dig themselves, then shooting them in the back of the head or neck.

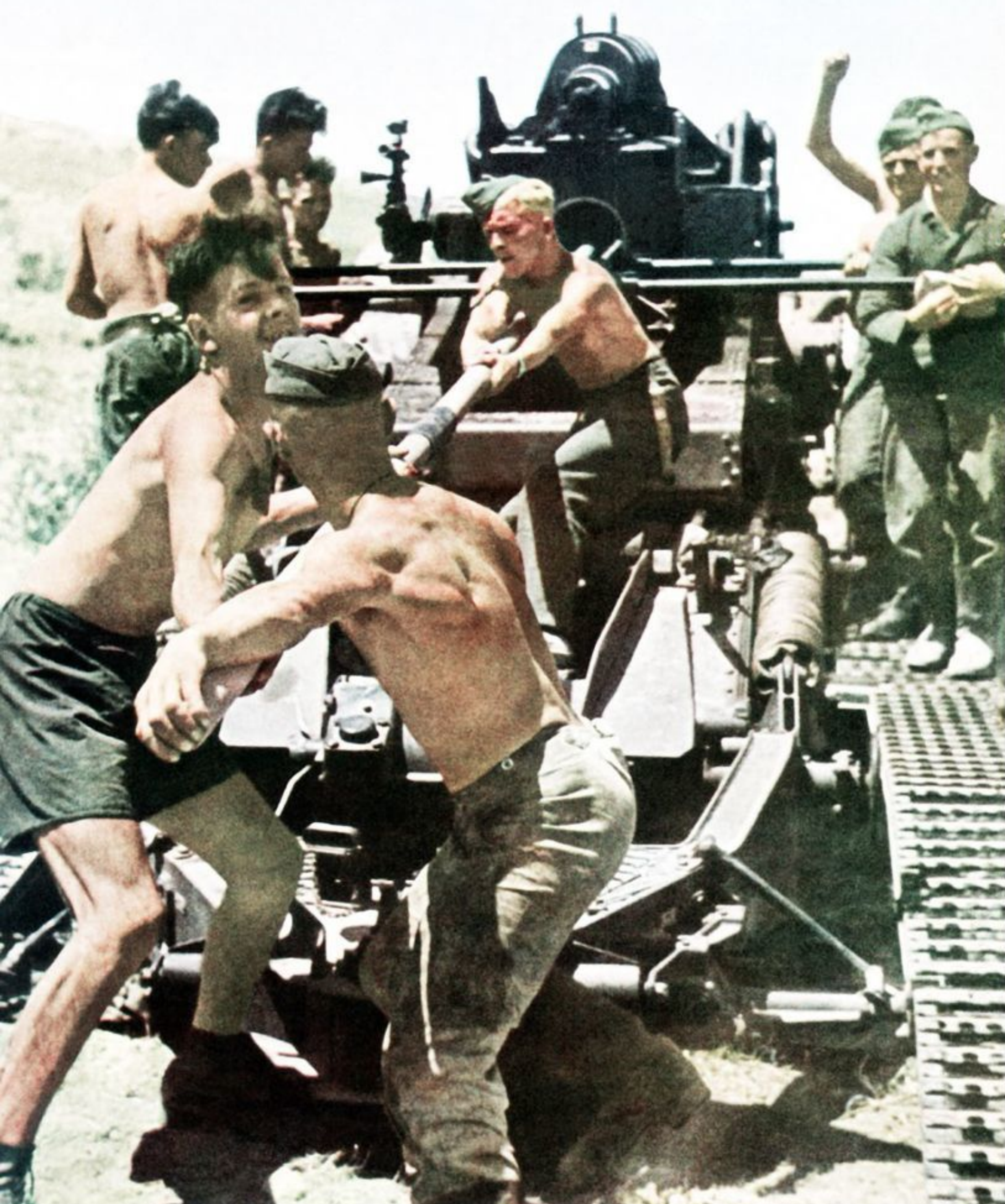
One of the most famous examples of such a mass execution was the Babi Yar massacre of September 1941. Over two days German soldiers and Ukrainian police officers shot 33,771 people in a ravine north of Kiev, many of whom were forced to lie down on the corpses of those who had gone before them.

Aside from Poland, it was the Soviet nations (notably the Baltics) that witnessed the worst atrocities of the war. Estonia, just one of a group of countries that suffered the horrors of Hitler's genocidal war, lost almost 99 per cent of its Jewish population.

Within five months of the invasion of the Baltics, Einsatzgruppe A alone had slaughtered nearly 140,000 people. Yet such figures failed to satisfy Reichsführer-SS Heinrich Himmler, who in time decided that gassing “undesirables” would be a quicker and cleaner method. By the war's end, Himmler's charges had murdered approximately 1.5 million Jews along the Eastern Front and thousands of Romani.

A Jewish-Ukrainian woman tries to shield a child as a soldier takes aim. Many Ukrainians were complicit in the Final Solution





the city had to remain their priority, but Hitler was unmoved. And so, on 23 August, Army Group Centre swung south. Three weeks later its southern counterpart started to drive north, and on 16 September two more Soviet armies were annihilated as the pincer closed east of Kiev. Stalin's order that the city be held at all costs had condemned over 700,000 Soviet troops to encirclement.

Still progressing steadily in the north, the forces under the command of von Leeb had sealed off the city of Leningrad eight days prior to the encirclement of Kiev. Hitler had selected the city as a primary target during the planning of Barbarossa, and now his armies (with the support of Finnish troops sent to retake lands lost to the Soviets during the Winter War of 1939-1940) had provided him with the chance to put his hunger plan into action once more. Instead of bombarding the city, its people were to be starved into submission in a siege that would last until January 1944 and claim over 800,000 lives.

Now that the resistance shielding Kiev had been removed, Army Group Centre could once again turn its gaze on Moscow. Despite the panic that had spread throughout the city,

Red Army troops, clad in the winter clothing the Germans lacked, storm across a snow-blanketed field



Stalin had chosen to stay and invigorate the natives with his presence. He had placed the defence of the city in the hands of General Georgy Zhukov, a formidable figure who had overseen the desperate efforts to counter the Siege of Leningrad.

Zhukov wasted little time in putting the men and women of Moscow to work excavating defensive trenches and anti-tank ditches (nearly 3 million cubic metres of earth was moved by hand). The factories that continued to function (much of the Soviets' industry had been evacuated east) were also turned to military tasks (a clock maker was asked to begin building mine detonators). If the Germans were to take Moscow, Zhukov was determined they would pay dearly for every street.

Codenamed Operation Typhoon, the assault on Moscow began on 2 October 1941. At the outset of the attack the Germans enjoyed a 2:1 superiority in tanks and troops and a 3:1 advantage in aircraft. It seemed that it would only be a matter of time before the Soviet capital fell. But there was one enemy the Germans failed to account for: mother nature.

Known as the rasputista (the time without roads), on 8 October a yearly deluge began, churning the roads into sucking quagmires that dramatically slowed the German advance. By the end of the month the Wehrmacht was still 50 miles from its target. Yet while the rain was

a frustration, the freezing temperatures that followed in December were a death sentence.

By 5 December the Germans were forced to halt 19 miles short of Moscow as the conditions froze both men and machines, the lack of proper winter clothing (a result of Hitler's assurances that the campaign would be over in a matter of weeks) condemning thousands to death.

On the same day as the Germans stopped their advance the Soviet armies behind Moscow (carefully husbanded by Zhukov and reinforced by soldiers transferred from Siberia once it had become clear that Japan was not planning to attack the region) were readying to unleash a merciless counteroffensive. Certain that the Red Army was all but beaten, the unfortunate German troops dug in around Moscow did not know what hit them when the Soviets began their attack with a massive bombardment. The moment the guns settled waves of T-34s poured across the frozen earth towards the German positions accompanied by a total force of over 1 million men and a resurgent Red Army Air Force.

Stunned by the sudden change in fortunes, Hitler demanded that every patch of ground be fought for, and in time the retreating German forces steadied themselves and consolidated their lines, but the threat to Moscow, built over months of fighting, had been eradicated in a matter of days. Now it was the Red Army's turn to advance.



4. Finnish assistance

10 July

While the Romanians plug away in the south, the Finnish army moves towards the Karelian Isthmus. In total, 300,000 Finnish soldiers join in the fight against the USSR.

1. The distant rumble of panzers

22 June

Barbarossa gets under way as German armoured divisions race east to deliver what they hope will be a knock-out blow to the unprepared Soviet forces.

5. Smolensk

16 July

Another important city on the road to Moscow is taken by the Germans. Resistance lasts in the city until 5 August. By 1 September, the frontline has extended as far as Leningrad in the north and the Crimea in the south.

7. Operation Typhoon

2 October

An all-out assault on Moscow begins after much deliberation in the Nazi hierarchy. The Germans manage to fight their way to the capital's suburbs, but ultimately fail to take the city as winter sets in.

9. Winter takes hold

5 December

Horrendous weather conditions and fresh Soviet recruits take their toll on the exhausted Wehrmacht, which has no alternative but to turn back. Operation Barbarossa has failed in its objectives, however, eastern Europe has fallen under the shadow of the Greater German Reich.

3. More cities fall

3 July

The onslaught continues as Volkovysk and then Minsk are both taken as German forces encircle the Red Army and take 324,000 prisoners.

2. Romanian allies

22 June

It isn't just the Wehrmacht ploughing east, as two allied Romanian armies press into Ukraine heading for the city of Odessa.

8. Siege of Sevastopol

16 November

Crimea falls into the hands of the Germans after a lengthy siege that eventually results in an Axis victory. The area will be used as a launch pad for the drive to the oil fields of the Caucasus in Operation Blue.

6. The taking of Kiev

16 September

The capital of the Ukrainian Socialist Soviet Republic is the next settlement to fall as Soviet troops are trapped in a pocket east of the city. A month later, the Wehrmacht have advanced even further to Bryansk and Belgorod.

THE BLOODY PURSUIT OF LEBENSRAUM

How the Ostheer blazed a trail through the plains and cities of eastern Europe



KEY

- GERMAN ADVANCE
- SOVIET COUNTERATTACK
- SURROUNDED SOVIET FORCES
- GERMAN TROOPS
- SOVIET TROOPS



PEARL HARBOR

OAHU, HAWAII, USA 7 DECEMBER 1941

Imperial planning and preparation for the surprise attack on Pearl Harbor began months before the Sunday morning aerial assault

WORDS MIKE HASKEW



Just before sunrise on Sunday 7 December 1941, six aircraft carriers of the Imperial Japanese Navy's First Air Fleet under the command of Vice Admiral Chuichi Nagumo, turned into the wind, ready to launch a powerful striking force of 353 aircraft.

Nagumo's flagship, Akagi, and her consorts, Kaga, Soryu, Hiryu, Shokaku and Zuikaku, set in motion the marauding strike force that would plunge the Pacific into World War II. Its target was the US Navy's Pacific Fleet, which was anchored at Pearl Harbor on the island of Oahu in the territory of Hawaii. Other US Navy and Army installations on the island, Hickam Field, Wheeler Field, Bellows Field, Ewa Marine Corps Air Station, and the naval air stations at Kaneohe and on Ford Island in the heart of Pearl Harbor were to be hit as well.

The opening blow was intended to cripple the American military presence in the Pacific; allow the Japanese armed forces to seize and consolidate strategic gains throughout the region; and bring the US government to the negotiating table where Japan would dictate favourable terms of an armistice. To that end, the Pearl Harbor raid was co-ordinated with attacks on the Philippines, Wake Island, Midway Atoll and Malaya.

The gambit was all or nothing for Japan. Although senior Japanese commanders were confident of swift victory, at least some of them acknowledged that a prolonged war with the United States was a daunting prospect, considering the industrial might and resources at the disposal of their adversary. Years of rising militarism and imperialism in Japan had placed the island nation on a collision course with the United States, a preeminent power in the Pacific since the Spanish-American War. Japan's provocative military moves on the Asian mainland, particularly the occupation of the Chinese region of Manchuria and later of French Indochina, had brought the two nations to loggerheads. While negotiations were continuing, most observers on either side of the Pacific believed war was inevitable.

The British influence

At 9pm on the evening prior to the Pearl Harbor attack, Nagumo ordered all hands aboard the Akagi to attention. He solemnly read a message from Admiral Isoroku Yamamoto, commander-in-chief of the Combined Fleet. "The rise or fall of the empire depends on this battle. Everyone will do his duty to the utmost."

Yamamoto meant the communication not only as an encouragement to the Japanese sailors and airmen, but also as homage to naval esprit de corps. During the decades preceding World War II, the Imperial Japanese Navy had embarked on a lengthy program of expansion, modernising and modelling itself

on the finest naval tradition in the world – the British Royal Navy. The message from Yamamoto echoed one similarly flashed by Admiral Horatio Nelson, one of the greatest heroes in the history of the Royal Navy, prior to the epic battle of Trafalgar in 1805.

Japanese respect for the Royal Navy ran deep. Since the turn of the 20th century, some vessels of the imperial fleet had actually been constructed in British and French shipyards, while Japanese training, operational standards, uniforms and rank insignia were similar to those of the British.

Following the outbreak of war in Europe, the Royal Navy again served as a role model for the Japanese. On the night of 11 November 1940, Fairey Swordfish torpedo bombers of the Fleet Air Arm flew from the deck of the aircraft carrier HMS Illustrious in the Mediterranean Sea and attacked the Italian naval anchorage at Taranto. The 21 obsolescent British biplanes sank one Italian battleship and damaged two others.

For the Japanese, the idea of a preemptive raid on Pearl Harbor had been discussed, tested during war games and shelved several times during the years between the world wars. However, bolstered by the British success, the staff of the Combined Fleet began, with

renewed purpose in January 1941, to plan for just such a bold stroke. Lieutenant Commander Minoru Genda, one of the best known and most respected aviators in the Japanese armed forces, had observed American carriers operating in a unified, single strike force and attended war games in 1936, during which an offensive scenario against Pearl Harbor had ended in simulated disaster for the attacker. Still, Genda remained one of a relative few Japanese officers who believed it was possible for a carrier task force to successfully deliver a stunning blow against an enemy fleet at anchor.

As Japanese aircraft carrier strength reached sufficient levels to support a Pearl Harbor attack, Yamamoto instructed Admiral Takajiro Onishi, chief of staff of the Eleventh Air Fleet, to order Genda to evaluate the potential for success with, “...special attention to the feasibility of the operation, method of execution and the forces to be used.” Yamamoto was reluctant to go to war with the US, however, he strongly believed that a substantial and successful first strike at the Pacific Fleet was the only option to bring such a conflict to a rapid and favourable conclusion for Japan.

Yamamoto’s assertion that Pearl Harbor should be Japan’s target actually reversed

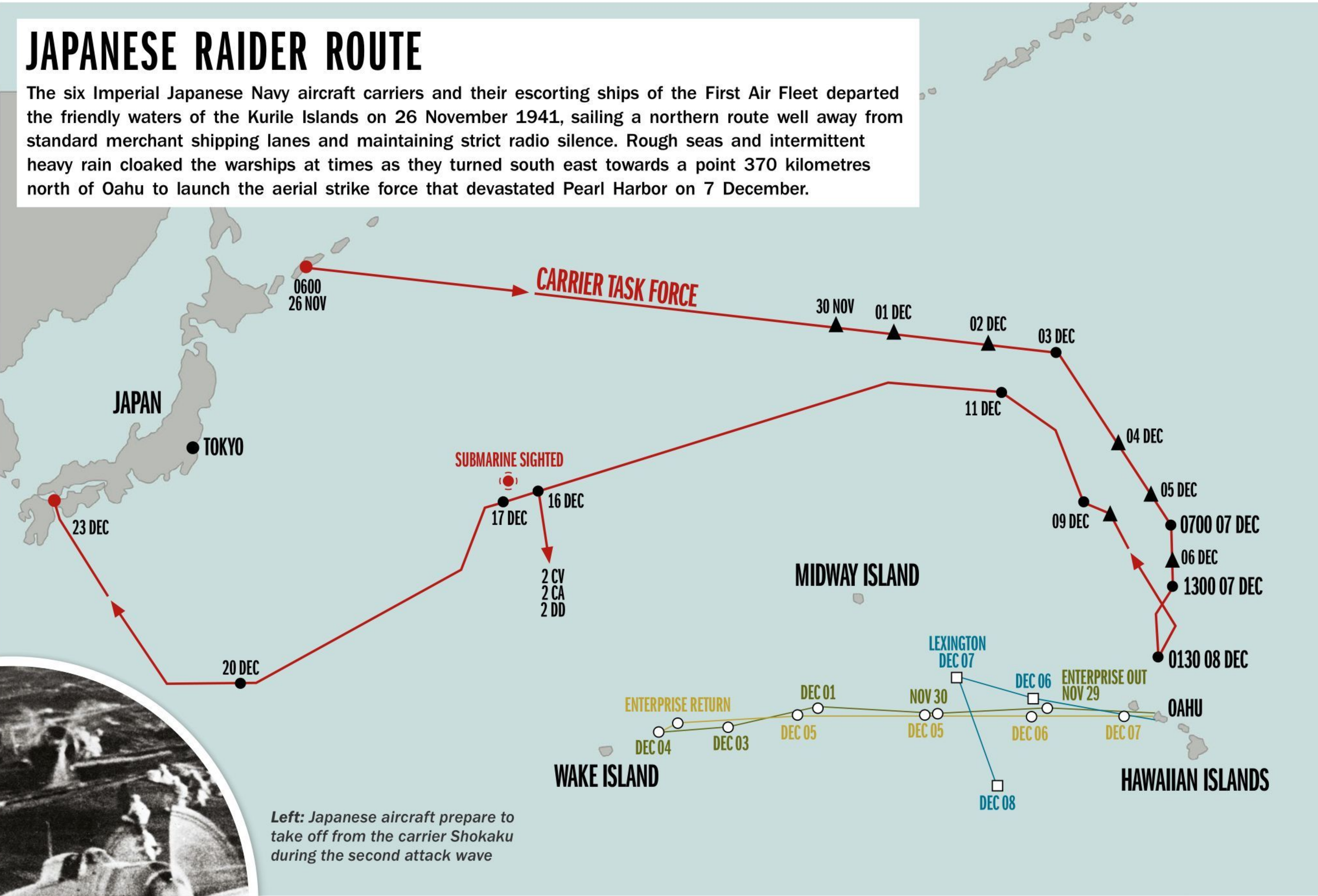
traditional thinking at the highest command levels within the Imperial Navy. Although the army had been active on the Asian continent, naval doctrine had previously assumed a defensive posture. In the autumn of 1940, Yamamoto’s assertion became an ultimatum. He eventually threatened to resign if senior commanders within the Combined Fleet refused to support the proposal.

The blueprints for war

By the following August, the basic plan for the Pearl Harbor attack had been approved. The six aircraft carriers of the First Air Fleet were to be accompanied by two battleships, two heavy cruisers, a light cruiser, nine destroyers, three submarines and eight tankers – a total of 31 vessels – sailing from their rendezvous point at Hitokappu Bay in the Kurile Islands. The fleet was to sail on 26 November; take a northerly course, in order to avoid the busy Pacific trade routes and merchant shipping that plied the ocean; maintain strict radio silence; and launch its aircraft in two waves from a position 370 kilometres north of Oahu. The tentative date for the attack was designated as 7 December 1941. A cordon of fleet submarines was positioned around Oahu to provide early warning of American

JAPANESE RAIDER ROUTE

The six Imperial Japanese Navy aircraft carriers and their escorting ships of the First Air Fleet departed the friendly waters of the Kurile Islands on 26 November 1941, sailing a northern route well away from standard merchant shipping lanes and maintaining strict radio silence. Rough seas and intermittent heavy rain cloaked the warships at times as they turned south east towards a point 370 kilometres north of Oahu to launch the aerial strike force that devastated Pearl Harbor on 7 December.



Left: Japanese aircraft prepare to take off from the carrier Shokaku during the second attack wave

ship movements and attack any US Navy vessels that might be at sea near the harbour. Five midget submarines were to be launched from their mother submarines hours before the aerial attack, with the hope that they might infiltrate Pearl Harbor and launch torpedoes at anchored vessels of the Pacific Fleet.

Early in September, senior Japanese officers convened at the Naval War College in Tokyo and finalised the plans for the attack. One month later, senior pilots who would assume command of air groups were informed of the target against which they had been training so rigorously. They already had some idea of its nature, since the torpedo groups had worked to perfect their runs against capital ships anchored in shallow waters.

Combined Fleet Top Secret Operational Order No 1 was issued on 5 November, followed 48 hours later by Order No 2, authorising the fleet to weigh anchor at the end of the month and to execute the attack on Pearl Harbor.

When the fleet set sail, Admiral Kichisaburo Nomura and Special Envoy Saburo Kurusu



The battleship USS Pennsylvania lies behind the battered destroyers, Cassin and Downes, in dry dock at Pearl Harbor

NAVAL AIR JUGGERNAUT

The Imperial Japanese Navy observed Western advances in naval aviation and welcomed military envoys to consult and train its pilots

The British Royal Navy pioneered many aspects of the development of naval aviation in the early 20th century and Japanese naval observers also recognised its potential.

Intent on emulating the Royal Navy's successes, the Japanese received a British mission headed by Captain William Sempill in the autumn of 1921. Sempill led 29 air operations instructors charged with assisting the development of the Japanese naval aviation program. By 1922, the Japanese had also constructed the Hosho, the world's first aircraft carrier purpose-built, rather than converted from another ship type.

Sempill, who was later exposed as a spy for the Japanese, hoped to secure substantial sales of British arms to Japan in exchange for valuable expertise and advice. His team brought the blueprints of the most advanced British carrier designs, protocols involving elements such as pilot training; the launch and recovery of aircraft; refuelling and maintenance; and airborne operations. The British trained the young Japanese pilots in the latest Royal Navy aircraft, such as the Gloster Sparrowhawk fighter, along with torpedo bombers and dive bombers. They introduced

torpedo tactics to the Imperial Navy as well. Japanese engineers and designers experimented with their own ordnance and aircraft, several of which were patterned after British types, and perfected carrier operations and doctrine during the 1920s and 1930s.

Prior to the attack on Pearl Harbor, Lieutenant Commander Takeshi Naito, a naval attaché in Berlin, travelled to the port of Taranto, Italy, where the British had executed a successful attack against the Italian Fleet at anchor in November 1940. With the assistance of the Italian Navy, Naito assessed the dynamics of the Taranto raid and advised the Pearl Harbor planners on modifications to existing tactics. Eventually, wooden stabilising fins were attached to Japanese aerial torpedoes, allowing them to run true in Pearl Harbor's shallow waters.

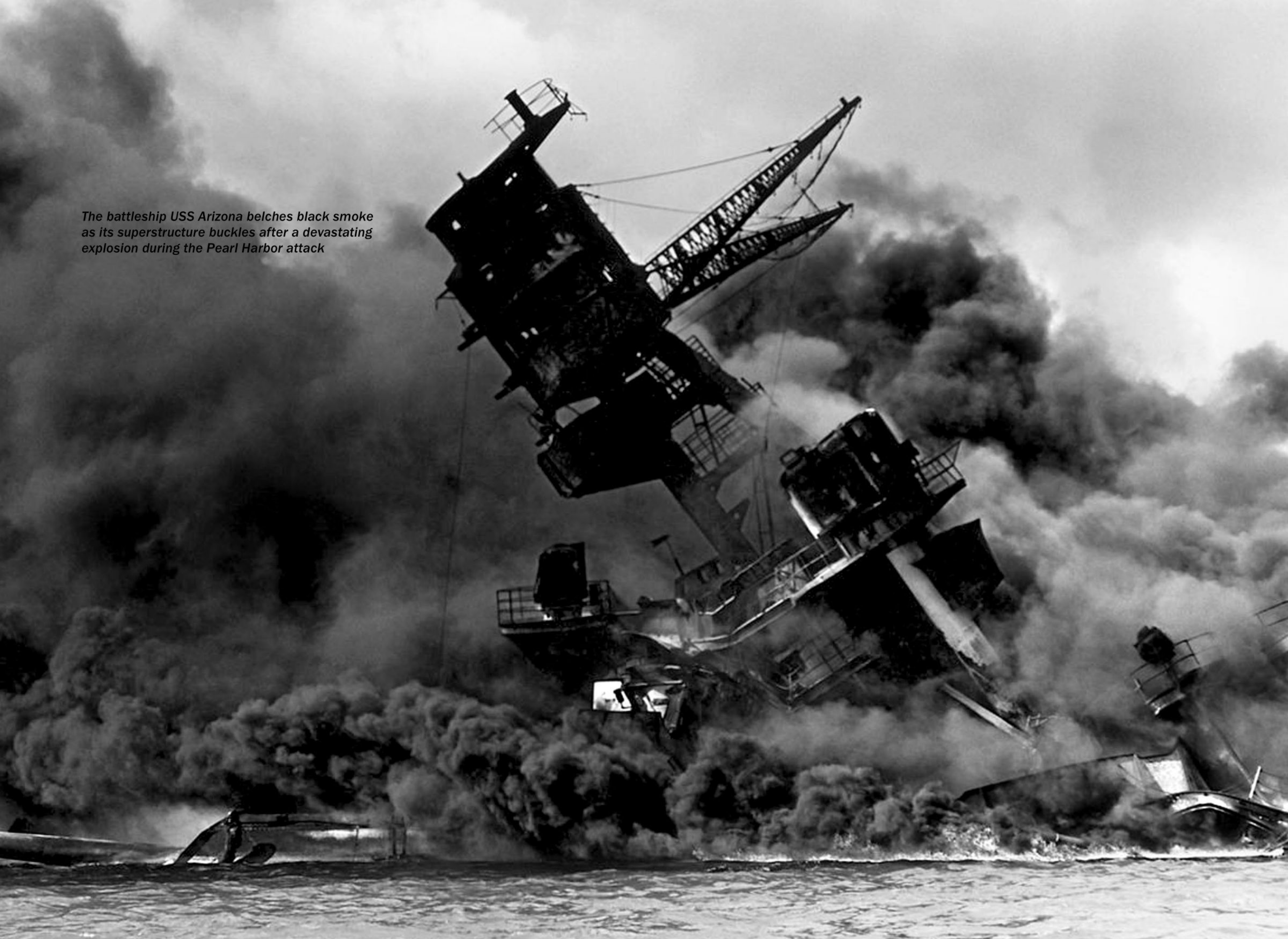


Dive bombers crowd a flight deck prior to Pearl Harbor

Below: Type 91 Kai 2 torpedoes on the flight deck of the Imperial Japanese Navy aircraft carrier, Akagi. The carrier is at Hitokappu Bay in the Kuriles just prior to departing for the attack on Pearl Harbor



“SEMPILL, WHO WAS LATER EXPOSED AS A SPY FOR THE JAPANESE, HOPED TO SECURE SUBSTANTIAL SALES OF BRITISH ARMS TO JAPAN”



The battleship USS Arizona belches black smoke as its superstructure buckles after a devastating explosion during the Pearl Harbor attack

were in Washington, DC, conducting last-ditch negotiations with Secretary of State Cordell Hull and President Franklin D Roosevelt. These negotiations were expected to fail, and when the impasse was reached, specific orders to launch the attack would be issued to Nagumo at sea. At the same time, the envoys, oblivious to the details of the Pearl Harbor attack, were instructed to deliver a message to the US government, officially terminating the negotiations. The government in Tokyo considered this diplomatic step essentially a declaration of war, timed for a half hour before the Japanese aircraft appeared in the sky above Pearl Harbor.

Lieutenant Commander Mitsuo Fuchida, leader of the air groups of the First Air Fleet, was assigned the task of allocating aircraft to specific targets, organising the two waves of planes to co-ordinate their attacks and allotting fighter protection against any defending American planes that might make it into the sky to give battle. Fuchida assigned 185 aircraft to the first wave. It consisted of 49 Nakajima B5N 'Kate' bombers carrying armour-piercing bombs, 40 Kates with aerial torpedoes, 51 Aichi D3A 'Val' dive bombers with general purpose bombs

and 45 superb Mitsubishi A6M Zero fighters to provide escort and strafe targets of opportunity.

While the Kates hit the warships anchored in Pearl Harbor, 25 Vals were designated to blast the primary American fighter base at Wheeler Field. 17 Vals were assigned to destroy Ford Island's patrol plane and fighter base and nine were to strike American bombers based at Hickam Field. The second wave included 54 Kates armed with 550 and 125-pound bombs to demolish installations and crater runways at the airfields, 80 Vals with 550-pound bombs to renew the attacks on the warships in the harbour and 36 marauding Zeroes.

Fuchida received an intelligence message from a Japanese spy on Oahu the day before the attack. It was tinged both with optimism that the element of surprise would be achieved and disappointment that the three American aircraft carriers, Enterprise, Lexington and Saratoga were not present at the anchorage. It read, "No balloons, no torpedo defence nets deployed around battleships in Pearl Harbor. All battleships are in. No indications from enemy radio activity that ocean patrol flights being made in Hawaiian area. Lexington left harbour yesterday. Enterprise also thought to be operating at sea."

The Saratoga was steaming into the harbour at San Diego, California when the Japanese attackers arrived above Pearl Harbor on 7 December. Although the aircraft carriers were absent, there was no turning back. The attack had to proceed as ordered and the Japanese rationalised that the remaining targets, particularly the US battleships, were high value enough to justify the risk being undertaken.

"Tora! Tora! Tora!"

As the sky was still dark over the deck of the Akagi, pitched in rough seas, a green lamp was waved in a circle and the first Zero fighter roared down the flight deck into the air. Within 15 minutes, the entire first wave was airborne. At 7.40am, the north shore of Oahu came into view. Fuchida was exultant. He radioed "Tora! Tora! Tora!" to the anxious Nagumo, signifying that complete surprise had been achieved. For several hours, the attackers wrought devastation on their targets below.

Elsewhere in the Pacific, Japanese forces moved aggressively in concert with the Pearl Harbor attack, reaching for objectives that would minimise US interference with coming operations to seize the Dutch East Indies,

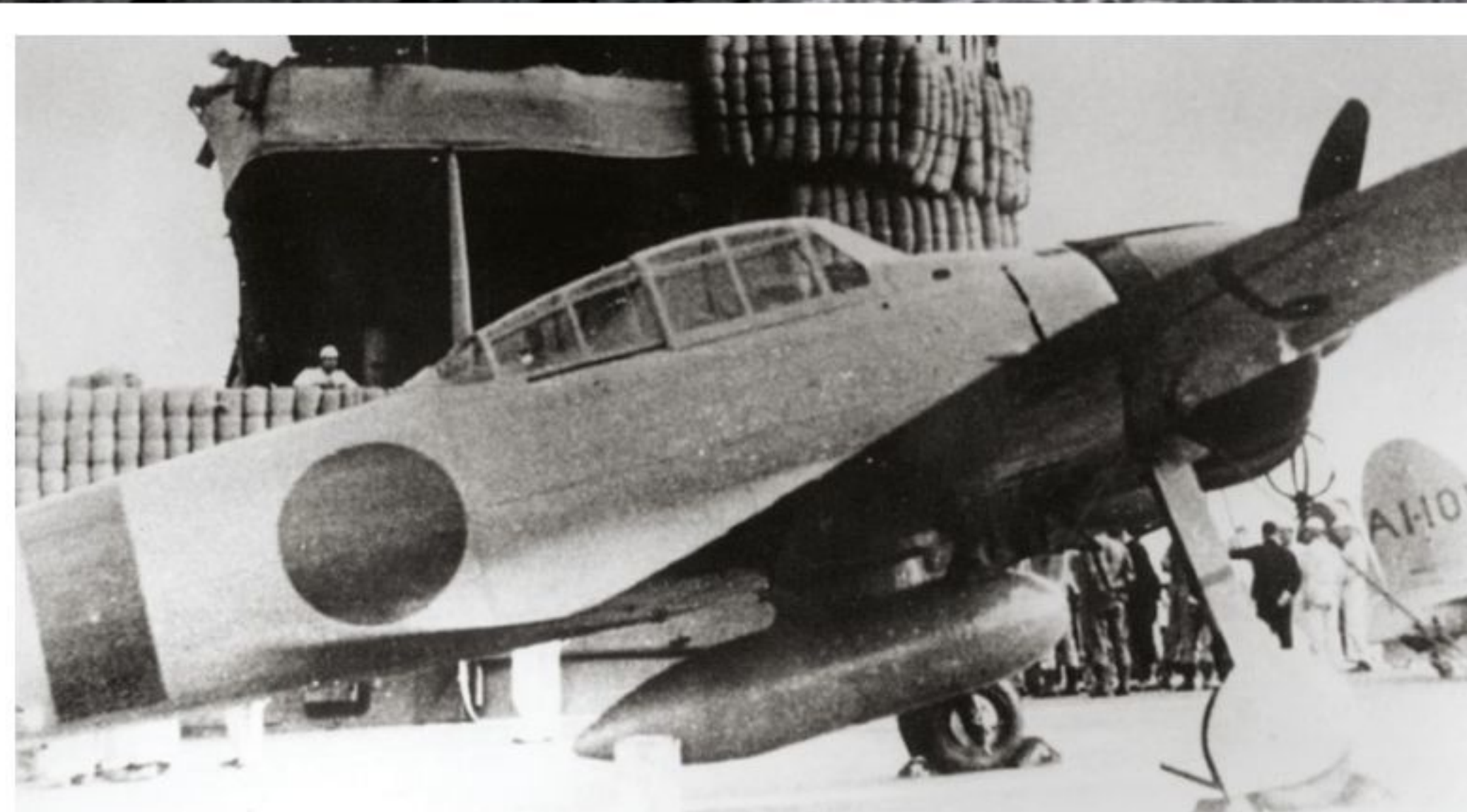
Photographed 10 days after it crashed during the Pearl Harbor attack, the Zero of Petty Officer Shigenori Nishikaichi lies derelict



Below: A Japanese Mitsubishi Zero fighter roars off the flight deck of the aircraft carrier Akagi en route to Pearl Harbor



After a mission in the Solomon Islands, Aichi D3A Val dive bombers return to the aircraft carrier Shokaku



secure vital resources such as oil and rubber for their war machine and extend their defensive perimeter further into the expanse of the great ocean.

As the attack got underway in Hawaii, word was flashed to Midway Atoll at 6.30am local time on 7 December. The Marine garrison went on high alert and by dusk, the Japanese had arrived. Two Imperial Navy destroyers, the Akebono and Ushio, were sighted as they prepared to shell the installations on Midway.

War came to the atoll at 9.35pm, as Japanese 13-centimetre shells crashed on Sand and Eastern Islands, the two spits of land that, within months, would become the epicentre of World War II in the Pacific. As the destroyers cruised back and forth, the Marine guns responded with seven and 13-centimetre rounds. Japanese shells set the large seaplane hangar ablaze. One enemy round scored a direct hit on the concrete structure that housed the Sand Island powerplant, smashing through an air intake and mortally wounding a young Marine officer, 1st Lieutenant George H Cannon, who refused to leave his post for medical treatment and later received a posthumous Medal of Honor.

The Midway battle lasted for about half an hour and Marine gunners claimed to have scored hits on at least one enemy destroyer, which was seen belching smoke and flame. When the Japanese finally withdrew, four Americans were dead and 10 wounded. 36 Japanese bombers hit Wake Island on the morning of 8 December (across the International Date Line), destroying a dozen Grumman F4F Wildcat fighters on the ground. Meanwhile, Japanese troops landed at

Kota Bharu on the coast of Malaya while the Pearl Harbor attack force was in the air. Within hours of the strike against Pearl, Japanese bombers hit Clark Field and other installations in the Philippines, catching American planes on the ground again.

Shocked and bloodied, the United States was suddenly at war. For a time, Japanese domination of the Pacific was virtually uncontested, but just as Yamamoto feared, a protracted conflict, one that Japan could not win, emerged. Even as Allied forces turned the tide and fought their way inexorably to Tokyo Bay and victory in 1945, the spectre of Pearl Harbor haunted the Americans.

While conspiracy theories have surfaced in the three-quarters of a century since the 'Day of Infamy', these remain the topic of heated debate and conjecture. Some revisionist historians have reviewed all the proof they need to conclude that President Roosevelt and other high-ranking Allied civilian leaders and military officers – even British Prime Minister Winston Churchill – were aware that the attacks on Pearl Harbor and other locations were coming. However, the 'case' will probably never be closed.

On the tactical level, the Americans received several warnings of the Japanese air armada approaching Pearl Harbor on 7 December 1941 – an encounter with a midget submarine and a radar sighting at Opana above Kahuku Point on the north shore, for instance. An open question remains as to whether American commanders in Hawaii should have taken action to improve preparedness and should have been more responsive to the signs of imminent attack on that fateful Sunday morning.

A DAY OF INFAMY

Despite the success of the attack on Pearl Harbor, Admiral Yamamoto correctly surmised that it was incomplete

As soon as Lieutenant Commander Mitsuo Fuchida was back aboard the Akagi, the leader of the Pearl Harbor strike reported to Vice Admiral Chuichi Nagumo on the carrier's bridge. Fuchida is said to have begged his commander to launch another attack.

Nagumo declined. The risk was too great and so he ordered the First Air Fleet to retire. When news of the successful attack reached Tokyo, citizens took to the streets in celebration. The highest echelons of the military exuded optimism.

However, Admiral Isoroku Yamamoto, architect of the raid, brooded. The American carriers had not been destroyed. Retribution would soon come. He had once warned fellow officers, "If I am told to fight regardless of the consequences, I shall run wild for the first six months or a year but I have utterly no confidence for the second or third year."

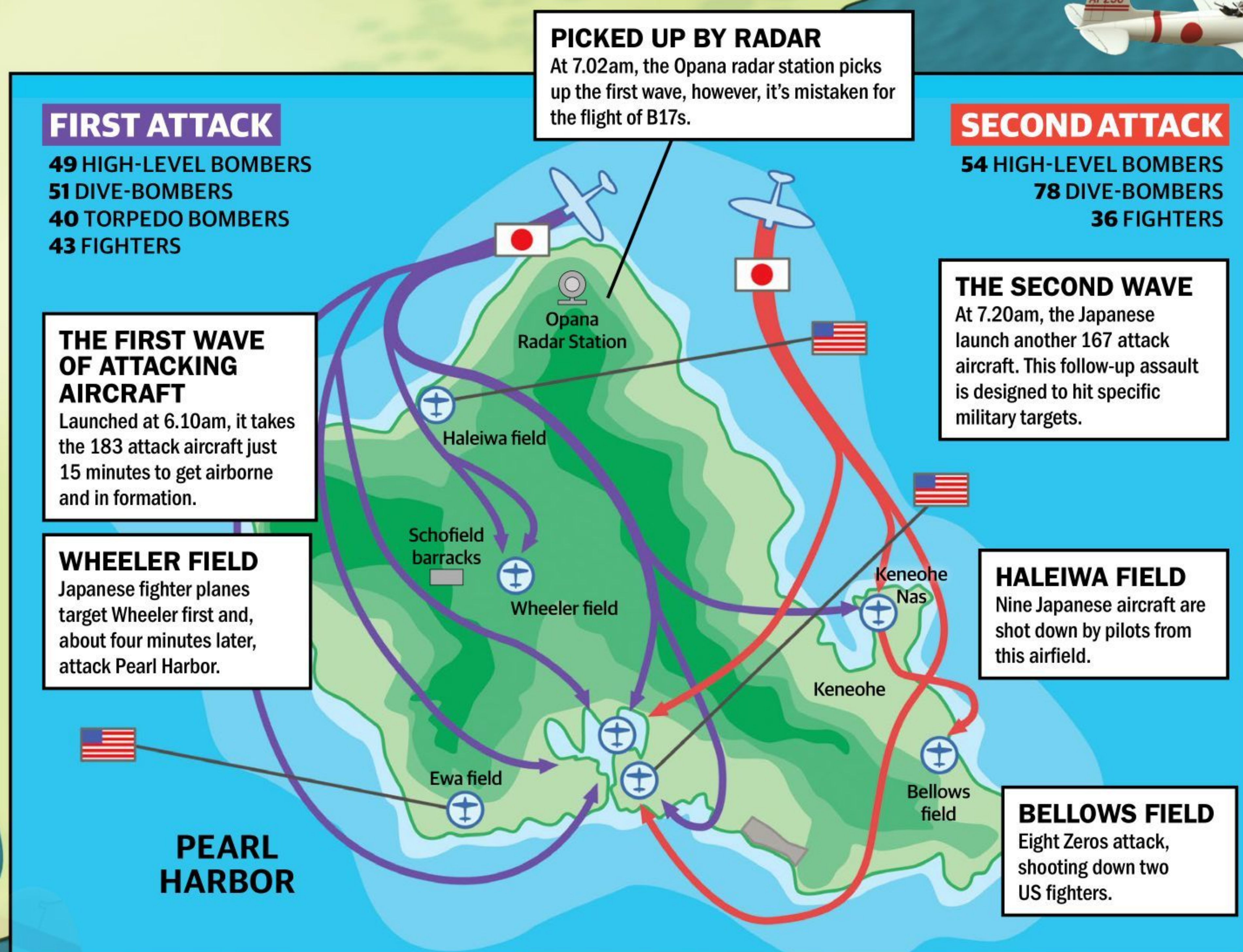
Pearl Harbor had been a tremendous tactical victory. The US Pacific Fleet was crippled but Yamamoto's words proved prophetic. Machine shops, repair facilities and stockpiles of fuel and oil were untouched. The submarine base was operational. The Americans recovered rapidly and just six months after Pearl Harbor, four of the Japanese carriers that had executed the raid were sunk by American planes at the Battle of Midway.



Admiral Isoroku Yamamoto envisioned a bleak future for the Japanese nation in the wake of the Pearl Harbor attack

JAPAN ATTACKS

How the Imperial Japanese Navy launched one of history's most devastating raids



USS SHAW EXPLODES

This destroyer is in dry dock for repairs, and is bombed towards the end of the raid, causing its magazines to erupt.

AICHI D3A 'VAL' DIVE BOMBER

Of the 441 aircraft in Japan's task force, 153 were 'Val' dive-bombers. Thought to be obsolete by the Allies, they were used to devastating effect at Pearl Harbor. With a 250-kilogram bomb strapped to its fuselage, the Val went on to sink more Allied warships than any other Axis aircraft during the entire conflict.

BATTLESHIP ROW

What vessels survived the attack?

USS Pennsylvania Damaged

In dry dock at the time, repeated Japanese attempts to torpedo the caisson it was held in failed. Damaged by bombs, 68 of its crew were killed or wounded.



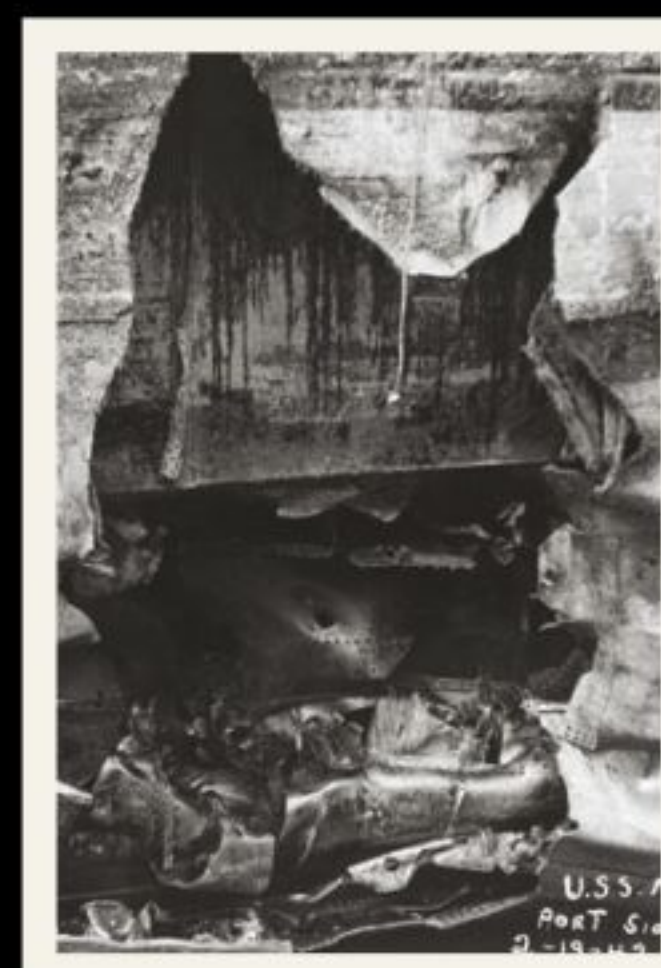
USS Arizona Sunk

Attacked by ten Kate torpedo planes during the first wave. One torpedo hit the ship's forward magazine resulting in a gigantic explosion. Of its 1,512 crew, just 335 survived.



USS Nevada Seriously damaged

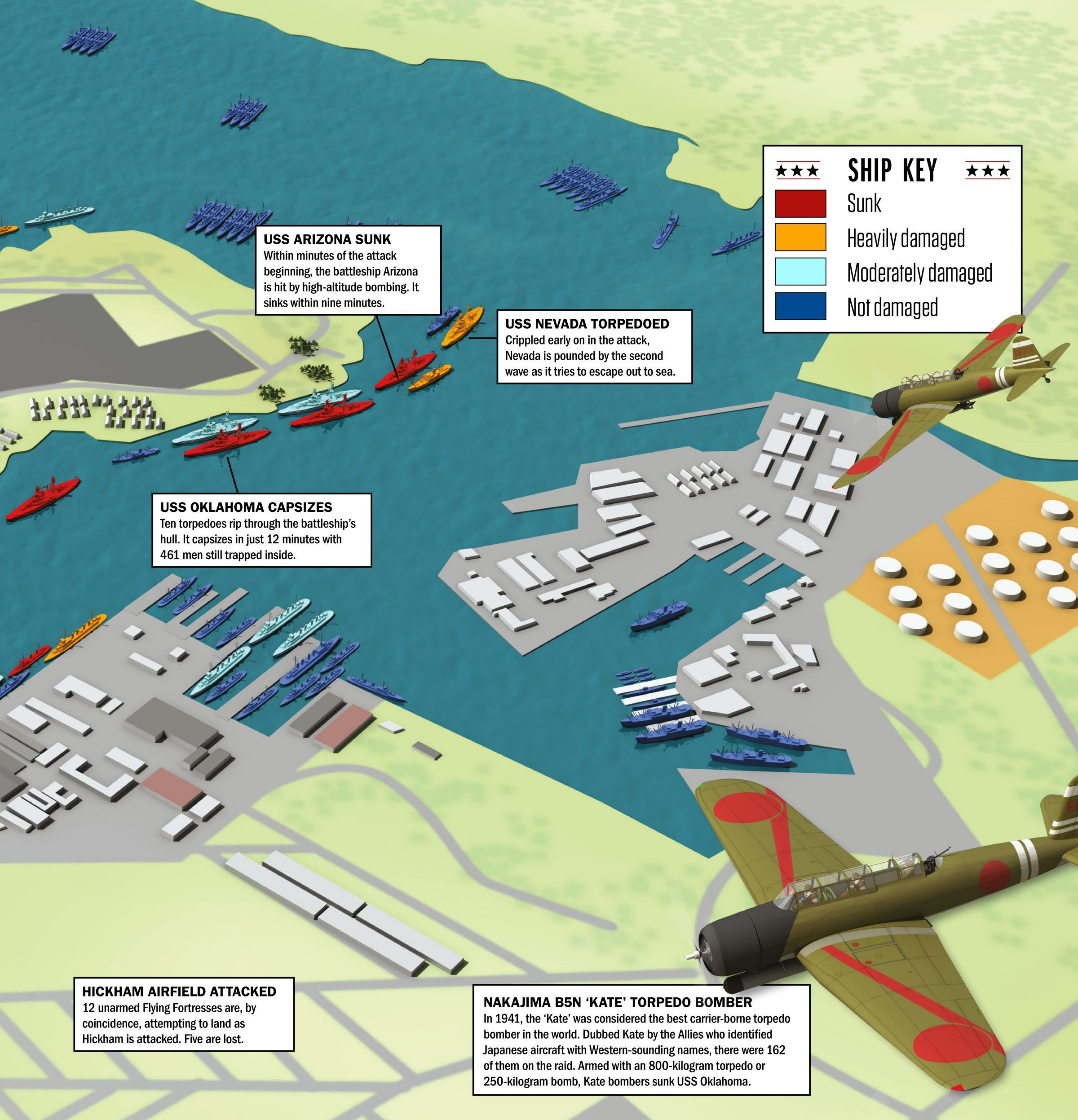
Despite being torpedoed, Nevada was able to escape Battleship Row during the attack. It was repeatedly targeted by dive-bombers from the second wave.



USS Oklahoma Sunk

Hit by three torpedoes early in the raid. As it capsized, a further two torpedoes smashed into its listing hull, and its crew was machine gunned while attempting to abandon ship.





★★★	SHIP KEY	★★★
Red	Sunk	
Orange	Heavily damaged	
Light Blue	Moderately damaged	
Dark Blue	Not damaged	

USS ARIZONA SUNK
Within minutes of the attack beginning, the battleship Arizona is hit by high-altitude bombing. It sinks within nine minutes.

USS NEVADA TORPEDOED
Crippled early on in the attack, Nevada is pounded by the second wave as it tries to escape out to sea.

USS OKLAHOMA CAPSIZES
Ten torpedoes rip through the battleship's hull. It capsizes in just 12 minutes with 461 men still trapped inside.

HICKHAM AIRFIELD ATTACKED
12 unarmed Flying Fortresses are, by coincidence, attempting to land as Hickham is attacked. Five are lost.

NAKAJIMA B5N 'KATE' TORPEDO BOMBER
In 1941, the 'Kate' was considered the best carrier-borne torpedo bomber in the world. Dubbed Kate by the Allies who identified Japanese aircraft with Western-sounding names, there were 162 of them on the raid. Armed with an 800-kilogram torpedo or 250-kilogram bomb, Kate bombers sunk USS Oklahoma.

USS Tennessee
Minor damage
Tennessee was hit by two armour-piercing bombs, which destroyed two gun turrets. Shrapnel from the first also killed the captain of USS West Virginia, which was moored next to it.



USS California
Sunk. Refloated and rebuilt by January 1944
All portholes and hatches on California had been left open causing flooding when it was hit by torpedoes. It took the ship three days to sink.



USS Maryland
Damaged
Hit by two armour-piercing bombs that exploded low on its hull, causing flooding. It stayed afloat, however, and its crew fought back. Two officers and two men were killed.



USS West Virginia
Sunk. Refloated and rebuilt by July 1944
Five torpedoes sunk West Virginia. When it was refloated, 66 bodies were recovered with evidence some had survived for 16 days.



THE FALL OF SINGAPORE

8 DECEMBER 1941 - 15 FEBRUARY 1942

British defences in Malaya and Singapore proved unable to stop the Japanese juggernaut, or even slow it down

WORDS DAVID SMITH

At the same time as the Japanese struck against the United States at Pearl Harbor, they also moved against the British Empire in Malaya and Singapore. The resources of Malaya and the Dutch East Indies would be critical if the Japanese war machine was to be supplied.

Britain was far from oblivious to the threat posed by an increasingly aggressive Japan. Plans were in place that necessitated the forces in Malaya and Singapore to simply hold out until massive reinforcements could be sent. Originally, this was specified as 70 days, but as war broke out in Europe, and other theatres took precedence, it was extended to 180 days. Even though this time frame, a full six months, was more daunting, there was still reason to believe that the forces Britain had at its disposal could hold out against any attack. The Japanese takeover of Indochina, with the blessing of Vichy

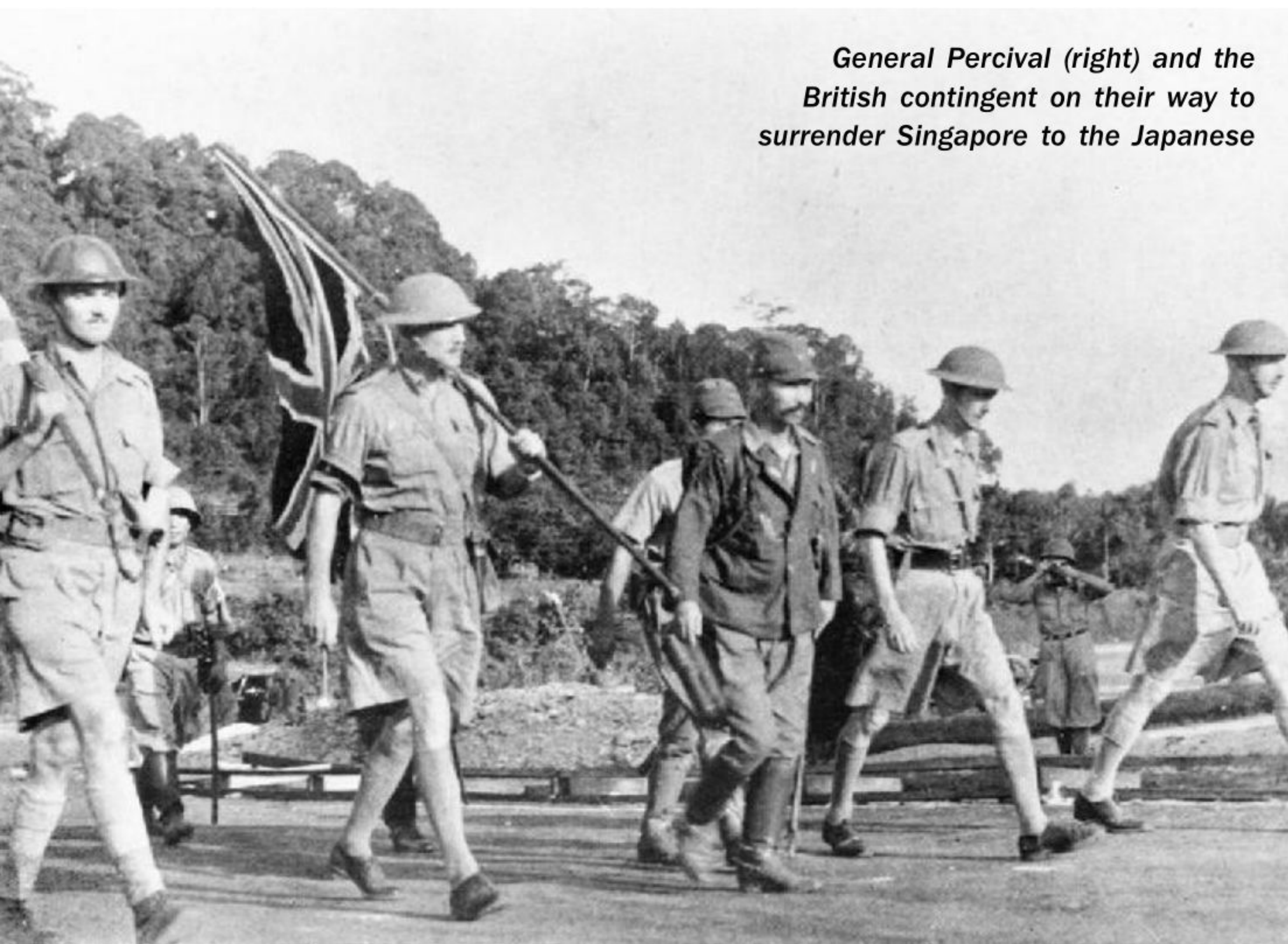
France, brought their armed forces within striking range of Malaya and on 4 December 1941, an invasion force set sail, bound for various landing spots in Thailand.

Britain had plans for a bold forward defensive strategy, codenamed MATADOR, which would see them take positions in Thailand to thwart any Japanese incursions, but the plan was not implemented. It was a disastrous decision. Over the course of a 70-day campaign, the Japanese would overrun greatly superior forces in Malaya and bring the British to their knees in Singapore. Winston Churchill would describe it as “the worst disaster and largest capitulation in British history”.

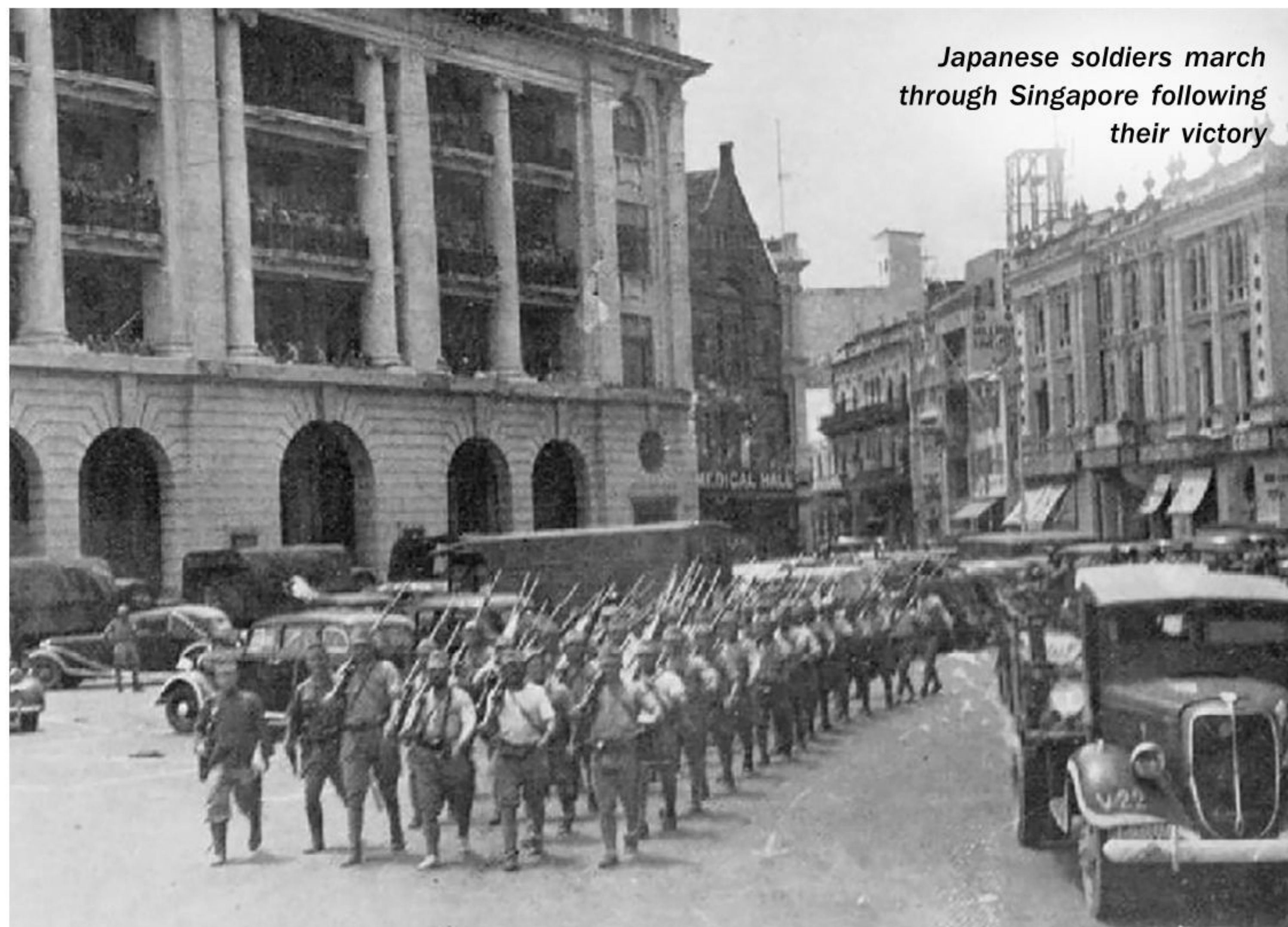
A major naval flotilla was planned to rush to the aid of Singapore, but in the end only two capital ships, HMS Prince of Wales and HMS Repulse, were sent, with a small destroyer escort. They were sunk, with great loss of life, on 10 December, marking an ominous opening to the campaign. More ominous still was the disastrous



General Percival (right) and the British contingent on their way to surrender Singapore to the Japanese



Japanese soldiers march through Singapore following their victory





Speed of movement was the key for the invading Japanese army, which covered 400 miles in 54 days

performance at the Battle of Jitra a day later. Britain had ample resources in Malaya, with around 88,000 men in total, hailing from Britain, India and Australia, as well as local troops. There were no tanks in the defending force, however, and the Japanese would take full advantage. Although outnumbered in terms of infantry, their 160 light and medium tanks posed a problem that the British forces never got to grips with.

At Jitra, a single Japanese battalion, with tank support, scattered the 11th Indian Infantry Division. Fighting under appalling weather conditions, the poorly trained Indian troops proved incapable of dealing with the Japanese armour.

The Japanese pushed ahead and on 7 January 1942, at the Slim River engagement, a reconstituted 11th Indian Infantry Division was again unable to hold its ground. Some 3,000 prisoners were taken by a Japanese force spearheaded by just 30 tanks.

THE LIFE OF FORCE Z

Intended to reassert British power in the region, Force Z instead sailed into history for all the wrong reasons

HMS Prince of Wales was the second battleship in the King George V class, launched in 1939. Powerful and fast, she was armed with ten 14-inch guns and was a symbol of Britain's maritime power. She was also, however, to become a symbol of a bygone age, one in which battleships ruled the waves. Originally intended to be part of a major naval force, numbering seven capital ships, she was eventually sent to Singapore with just one notable companion, the elderly battlecruiser HMS Repulse. 'Force Z' was still a formation that demanded respect, but the world had changed. The day after Japan had displayed the potential of air power at Pearl Harbor, Force Z left Singapore to intercept the Japanese convoys bringing an invasion force to take Malaya.

By the end of the following day, wary of Japanese planes, Force Z turned back towards Singapore, but an erroneous report of a Japanese landing at Kuantan persuaded Admiral Sir Tom Phillips to investigate. It was a fateful decision. On the morning of 10 December, at 1100 hours, the first wave of Japanese planes appeared and attacked. Neither ship was

Repulse (bottom left) and Prince of Wales under attack from Japanese planes on 10 December 1941



particularly equipped to fend off a determined aerial attack, but the Repulse, built in 1916, was by far the weaker and was the first sunk. After just two hours of fighting, Prince of Wales followed her.

Not interested in the five destroyers that were escorting the capital ships, the Japanese returned to their bases, allowing the destroyers to pick up many of the survivors of the attack. Nevertheless, more than 800 men perished.



British soldiers in Singapore after their surrender. The nightmare of Japanese POW camps awaited

Although buying time was the main goal of the British defenders, they proved unable to slow the Japanese advance down. Time and again their tanks punched through British defences, or were able to find side roads that allowed them to bypass defensive positions. By 18 January there were already murmurs of withdrawing to the island of Singapore, and the Japanese simply refused to allow the British time to gather their thoughts. Disaster struck again when the 45th Indian Brigade was completely wiped out as the relentless advance continued.

On 25 January, the British began to withdraw across the causeway at Johore Bahru. Around a thousand metres long and 20 metres wide, it allowed for an orderly withdrawal in what many observers described as the best-organised part of the entire campaign for the British. Once on Singapore, however, there was little hope of deliverance. Reinforcements were on their way, but were arriving piecemeal. Even if they had all arrived at once there were insufficient numbers to stop the Japanese offensive. On 31 January the

withdrawal from Malaya was complete and the causeway was destroyed.

The British now had Hurricane fighters in their arsenal, but in too few numbers to make a difference and major air strikes on Singapore had been going on since mid-January. The majority of the RAF's planes had been forced to relocate to southern Sumatra to protect themselves from Japanese air strikes, and this heightened the sense of abandonment and helplessness of the garrison on Singapore. Around a million people were now on the island, doubling its pre-war population, and an adequate water supply became a major concern.

On 8 February, the Japanese made their first landing, pushing the 22nd Australian Infantry Brigade aside. A second landing followed on the night of 9-10 February. The 27th Australian Infantry Brigade offered stiffer resistance but was forced to retreat. With the Japanese now established on the island, the situation was dire. Counterattacks failed and with the city's water supply faltering, surrender became inevitable.

On 14 February, as the British continued to fall back in the face of the advancing Japanese, the military hospital was overrun by Japanese soldiers who, ignoring attempts to surrender, massacred around 250 patients and staff. The following day, the 70-day campaign came to its end.

Japan's stunning success has been attributed largely to the woeful performance of the British forces and commanders, including General Arthur E Percival, but the Japanese general, Tomoyuki Yamashita, also took full advantage of the fighting spirit of his infantry. Believing, rightly, that his men had more will to fight, he repeatedly closed with and scattered his enemy.

Japanese losses amounted to a little less than 10,000, while they took around 130,000 prisoners of war. Among them were the men of the British 18th Infantry Division, the bulk of whom had only just landed as reinforcements. Not even able to get into the battle, they now faced three and a half years in captivity.

The defeat was a massive blow to British prestige, but it also gave Japan the resources it needed to maintain its war effort. For the people of Singapore it was a disaster. The Japanese occupation was harsh and sometimes brutal, starting with the murder of anywhere between 5,000 and 50,000 Chinese nationals on the island. The British would not return until September 1945.

“JAPANESE LOSSES AMOUNTED TO A LITTLE LESS THAN 10,000, WHILE THEY TOOK AROUND 130,000 PRISONERS OF WAR. AMONG THEM WERE THE MEN OF THE BRITISH 18TH INFANTRY DIVISION”

CONQUERING 'THE GIBRALTAR OF THE EAST'

The fall of Singapore was completed by incompetent British-led withdrawals and Japanese tactics that were both cunning and brutal

8-9 FEBRUARY

BATTLE OF SARIMBUN BEACH

Two Japanese divisions land in north-west Singapore with Australian machine gunners firing on the invaders. The 22nd Brigade takes the brunt of the attack from the Japanese and they are forced to withdraw.

11 FEBRUARY

THE JAPANESE ADVANCE

The Japanese 5th Division attacks British, Indian and Chinese troops along the Choa Chu Kang and Bukit Timah roads and forces them to retreat further inland.

7-8 FEBRUARY

A DECEPTIVE MANOEUVRE

The Imperial Japanese Guards Division carry out a feint to the north east of the island while shelling increases. Percival does not change his thinly spread positions despite the feint.

15 FEBRUARY

ASSESSING THE SITUATION

Yamashita and his aides discuss if they should continue fighting or wait for the British to surrender, as the Japanese are low on ammunition and other supplies. The British are also critically short of resources.

10 FEBRUARY

THE RAF DEPARTS

After two days of fighting, all but one of the RAF's airfields on Singapore are captured. The remaining aircraft are withdrawn to Sumatra leaving only the army to defend the island.

15 FEBRUARY

THE BRITISH CAPITULATE

A British surrender party arrives at Yamashita's headquarters at the Ford Motor Factory. After fractious negotiations, terms of surrender are signed at 6.10pm and the guns fall silent at 8.30pm.

12-15 FEBRUARY

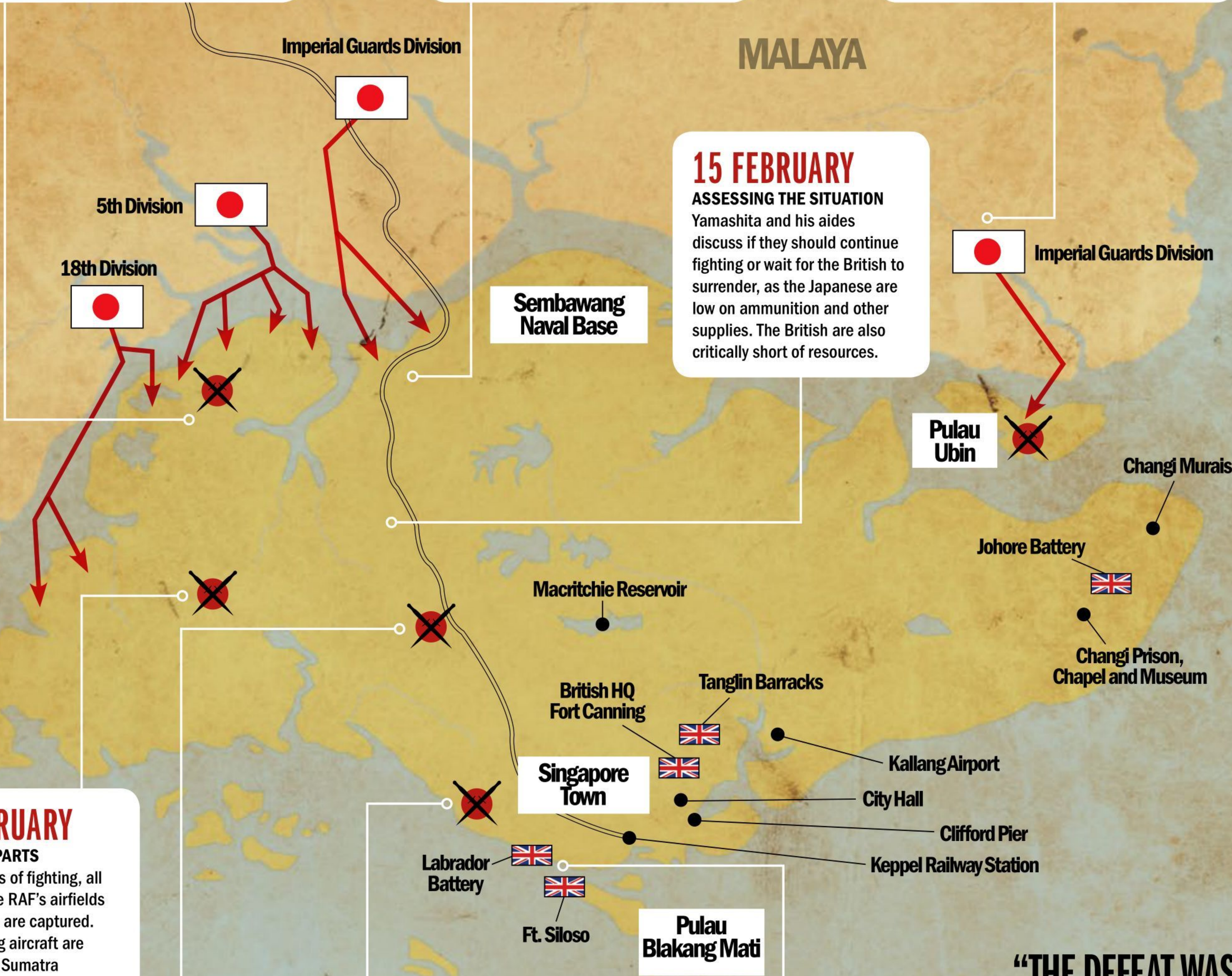
BATTLE OF PASIR PANJANG

The Malay Regiment fights bravely against a Japanese attack along the Pasir Panjang Ridge on Singapore's south-west coast. There are heavy casualties and fierce hand-to-hand fighting before the Malay troops are overwhelmed.

14 FEBRUARY

HOSPITAL ATROCITY

The Japanese capture the main British ammunition dump at Alexandra Barracks before entering the nearby military hospital. They murder hundreds of wounded patients and staff.



**"THE DEFEAT WAS
A MASSIVE BLOW TO
BRITISH PRESTIGE, BUT
IT ALSO GAVE JAPAN
THE RESOURCES IT
NEEDED TO MAINTAIN
ITS WAR EFFORT"**

ALLIES TAKE CONTROL

56 BATTLE OF MIDWAY

Despite an overwhelming advantage in numbers, the Japanese offensive against Midway failed in the face of superior US intelligence gathering

66 BATTLE OF STALINGRAD

During the final months of this deadly struggle, an entire army would crumble and the fortunes of war would permanently turn against Nazi Germany

76 THE SECOND BATTLE OF EL ALAMEIN

Montgomery's Eighth Army takes on Rommel's Axis coalition in this huge desert clash to decide the course of World War II



86 BATTLE OF KURSK

As the German invasion of the USSR stalled, two mechanised heavyweights came face to face in the largest clash of armour the world has seen

94 BATTLE OF MONTE CASSINO

A small Italian town held the key to the advance on Rome, and the Germans were not about to give it up without a fight

98 OPERATION OVERLORD

The establishment of the second front in Western Europe hastened the end of Nazi Germany and World War II in Europe

102 OPERATION MARKET GARDEN

For over 75 years the underlying reasons for the failure at Arnhem have gone largely unremarked upon, despite being in plain sight



MIDWAY

CENTRAL PACIFIC OCEAN 4 JUNE 1942

Despite an overwhelming advantage in numbers, the Japanese offensive against Midway failed in the face of superior American intelligence gathering

WORDS WILLIAM WELSH

The Yorktown at the moment it was struck by a Japanese aircraft-launched torpedo



Dauntless dive bombers from the US aircraft carrier Enterprise spotted the Japanese fleet north of Midway Atoll at 10.05am on 4 September 1942. They closed on it and queued up in a single line at 19,000 feet for their attack. The air group commander barked instructions for the 33 dive bombers to attack the heavy carriers Kaga and Akagi, but in the confusion of battle most of the aircraft went after the 38,200-ton Kaga. 15 minutes later, the metal birds swooped down on their prey.

The flight deck of the mighty Kaga was packed with aircraft. Air crews were refuelling Zero fighters and making last-minute adjustments to fully armed bombers that were minutes away from launching against the US carrier strike force. "Dive bombers!" shouted a lookout on the Kaga as the Dauntless aircraft began releasing their 500-pound bombs at 2,500 feet. "I saw this glint in the sun – it looked like a beautiful silver waterfall – these were the dive bombers coming down," said Lt Cdr John S 'Jimmy' Thach, a fighter pilot from the Yorktown who witnessed the attack.

The first bomb struck the Kaga starboard aft among the aircraft waiting to launch. The second and third exploded near the forward elevator, one of them penetrating to the hangar deck, where

it set off secondary explosions among armed bombers waiting to be sent to the flight deck. The fourth bomb struck amidships on the port side. The survivors abandoned ship. At dusk, a pair of internal explosions rocked the great vessel, and she rolled over and sank.

Before the day was over, the Imperial Japanese Navy's other three large carriers participating in the Battle of Midway suffered the same fate. The titanic battle for supremacy in the Pacific would only cost the US Navy one of its valuable carriers. In a single day, the Americans wrested the initiative in the Pacific theatre from the Japanese.

Two Offensives

Following the initial clash between Japanese and United States aircraft carriers in the Coral Sea in May 1942, the Japanese sought to return to the offensive against the US. The Americans had landed a heavy psychological blow against the Japanese by the daring long-range bomber strike against Tokyo known as the Doolittle Raid in April 1942. The following month, Japanese and American aircraft carriers clashed for the first time in the Coral Sea. These two events spurred Admiral Isoroku Yamamoto to devise a comprehensive plan whereby the Japanese would retake the momentum from the Americans.

Yamamoto wanted to extend the Japanese empire's eastern perimeter into the Central

Pacific to furnish a greater buffer for Japan's home islands. To do this, he drew up a plan for his Combined Fleet to capture Midway Atoll, an outlier of the Hawaiian Islands located 1,300 miles northwest of Pearl Harbor.

The objective of Yamamoto's offensive was to capture Midway in order to use its airstrip to project Japanese airpower deep into the Central Pacific Ocean. Yamamoto's grand plan called for a two-pronged offensive that would employ a vast array of surface warships, submarines, transports and support vessels.

Operation Aleutian Islands (Operation AI) was a feint designed to draw one of the US carriers to the northern Pacific. To execute the operation, Rear Admiral Kakuji Kakuta's Second Carrier Strike Force had 40 attack aircraft on the light carriers the Ryujo and Junyo. Kakuta was to send his carrier aircraft on 3 June to bomb Dutch Harbour, the principal port in the Aleutians, while Japanese amphibious forces landed on Attu and Kiska Islands at the tip of the Aleutian Chain.

The main attack, known as Operation Midway Island (Operation MI), would go forward the following day. Yamamoto planned to devote the bulk of the Combined Fleet's forces to the operation. Vice Admiral Chuichi Nagumo, the hero of the attack on Pearl Harbor, would once again have the same four heavy carriers – Akagi,

Burning oil tanks hit by Japanese bombs on Sand Island in the Midway Atoll on 4 June



Kaga, Soryu and Hiryu – that he had used in the surprise attack six months earlier.

On 4 June, Nagumo was to take up a position 300 miles northeast of Midway and launch aircraft from his First Carrier Striking Force to pulverise Midway's defences in preparation for the amphibious landing. Nagumo's carrier force would have 261 aircraft as its offensive arm.

Other large forces would follow behind Nagumo's carrier group. Rear Admiral Raizo Tanaka's invasion force of 5,000 troops in a dozen transports would rendezvous off west of Midway with Vice Admiral Nobutake Kondo's Second Fleet, which would escort them to their objective. Bringing up the rear would be the First Fleet's Main Force under Yamamoto, which would deploy 300 miles west of Nagumo. Yamamoto would direct the various components of the operation from his flagship, the gigantic battleship Yamato.

The unsinkable carrier

Following the action in Coral Sea, US Pacific Fleet commander Admiral Chester Nimitz recalled Task Force 16, which was built around the carriers Hornet

and Enterprise, to return to Pearl Harbor. Its veteran commander, Vice Admiral William Halsey, was seriously ill, and Nimitz replaced him with neophyte Rear Admiral Raymond Spruance.

Overall command of the two task forces went to Rear Admiral Frank Fletcher, commander of Task Force 17, who had performed ably in the Coral Sea. The nucleus of Task Force 17 was the carrier Yorktown, which had sustained major damage in the same skirmish, and was in need of urgent repairs if she were to participate in Midway. She arrived in Pearl Harbor on 22 May to get patched up so that she could take part in the

battle that was brewing. Meanwhile, Task Force 16 arrived in Pearl Harbor on 26 May for refuelling and resupply.

Altogether, the two US task forces had a total of 233 carrier aircraft, which included 112 dive bombers, 42 torpedo bombers and 79 fighters. In addition, the Americans possessed an assortment of 115 Navy and Marine aircraft, many of which were obsolete, on Midway Atoll.

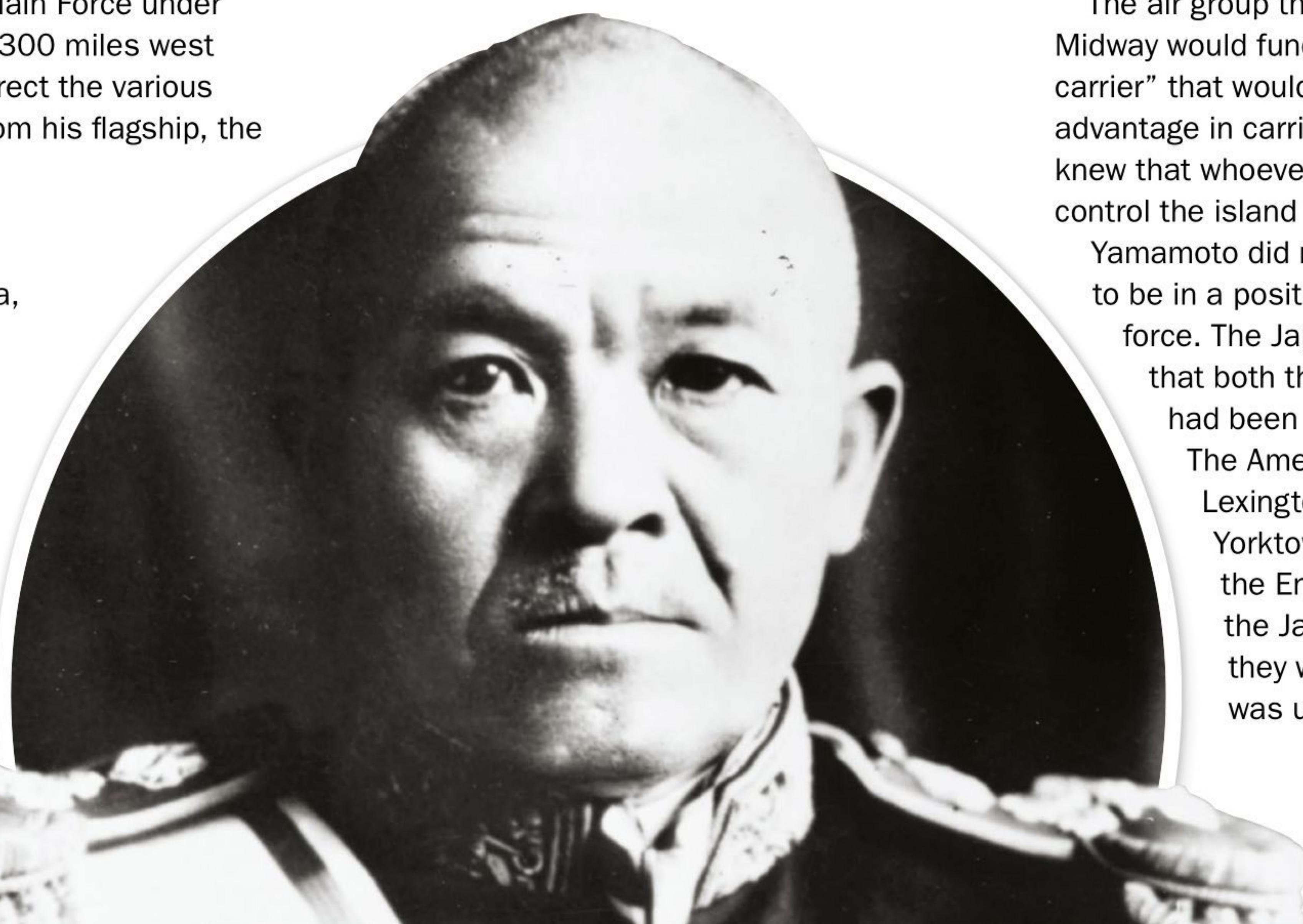
US Navy Captain Cyril Simmard, the senior commander at Midway, had 3,650 troops of the Sixth Marine Defense Battalion and multiple anti-aircraft batteries with which to defend the Midway against the expected amphibious attack.

The air group that Simmard commanded at Midway would function as an "unsinkable aircraft carrier" that would help balance the Japanese advantage in carriers. Both Yamamoto and Nimitz knew that whoever won the battle in the sky would control the island when the battle was over.

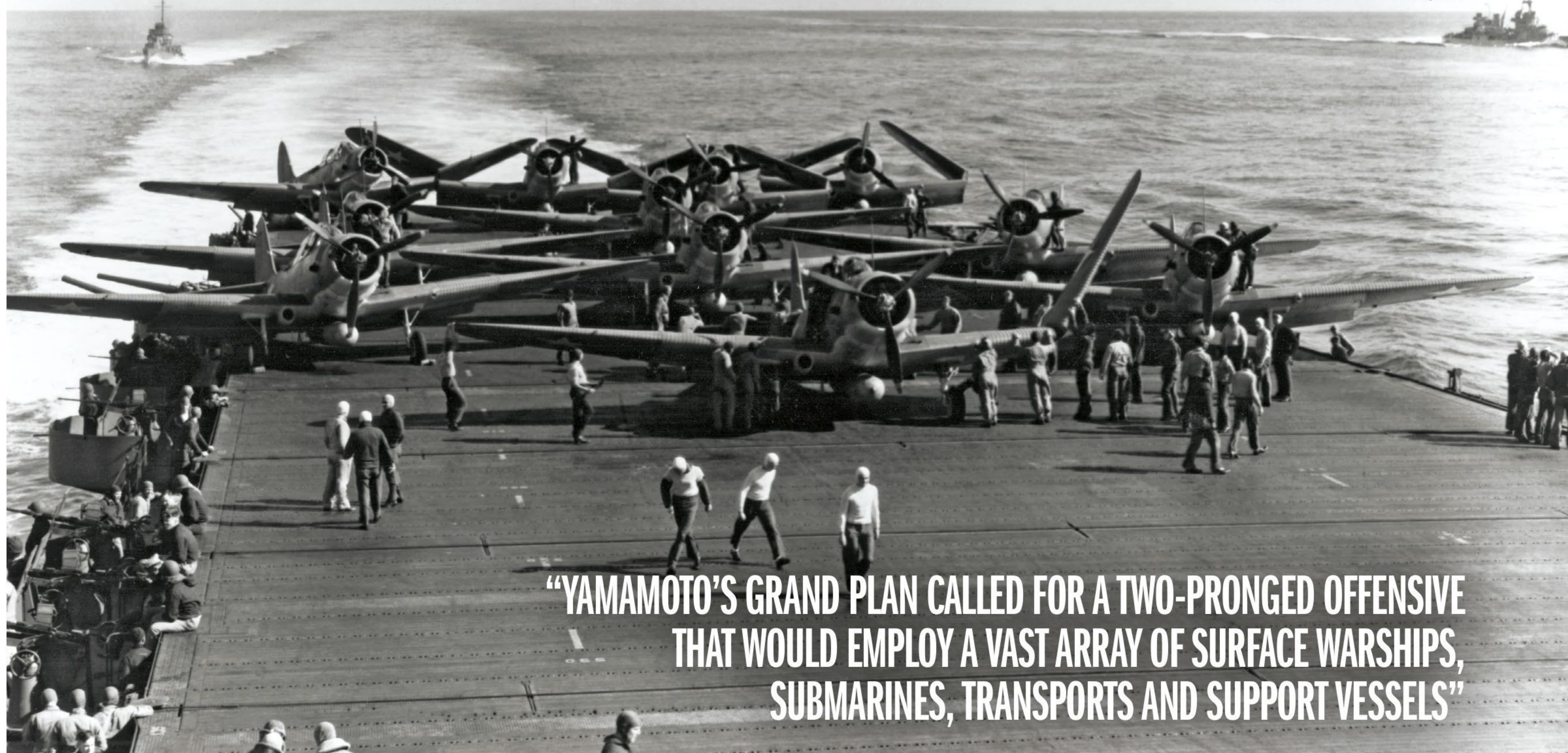
Yamamoto did not expect the US Pacific Fleet to be in a position to contest the invasion force. The Japanese mistakenly believed that both the Lexington and Yorktown had been destroyed in the Coral Sea.

The Americans had indeed lost the Lexington at Coral Sea, but not the Yorktown. As for the other US carriers, the Enterprise, Hornet and Saratoga, the Japanese had no idea where they were in the Pacific. The Saratoga was unavailable for Midway because

Right: Chuichi Nagumo was one of the Imperial Japanese Navy's (IJN's) most seasoned officers and hero of the Pearl Harbor attack



*A squadron of Douglas TBD
Devastator torpedo bombers
unfold their wings in preparation
for takeoff from the Enterprise*



**“YAMAMOTO’S GRAND PLAN CALLED FOR A TWO-PRONGED OFFENSIVE
THAT WOULD EMPLOY A VAST ARRAY OF SURFACE WARSHIPS,
SUBMARINES, TRANSPORTS AND SUPPORT VESSELS”**

*Japanese Zero fighter aircraft on the deck of the
heavy aircraft carrier Akagi in early 1942*



ALLIES TAKE CONTROL

it was undergoing extensive repairs in Puget Sound following a Japanese submarine attack in January 1942.

Intelligence failure

Although the Imperial Japanese Navy had destroyed the American battleships in its Pearl Harbor attack on 7 December 1941, it had failed to catch any of the American carriers in the harbour. Yamamoto believed that the American aircraft carriers would sortie from Pearl Harbor once the invasion was in full swing. At that point, Nagumo and Yamamoto would team up against the weaker US Pacific Fleet and destroy it in a decisive battle that would compel the United States to sue for peace.

To monitor the movements of the US Pacific Fleet, Yamamoto ordered Vice Admiral Teruhisa Komatsu to deploy his fleet of ten submarines in an arc between Hawaii and Midway no later than 2 June to watch for the US aircraft carriers. The only way the Japanese would know how many they would be up against at Midway was from Komatsu's submarines and from scout planes launched by Nagumo's fleet once it had arrived north of Midway.

Through back-breaking effort, the US combat intelligence unit at Pearl Harbor gleaned that the Aleutians strike was nothing more than a diversion, and that the real objective was Midway. The intelligence data spurred Nimitz to put his two task forces into position northeast of Midway to ambush Nagumo's carrier strike force. Both US task forces included cruisers and destroyers with which to screen their carriers from attack by Japanese carrier aircraft and submarines.

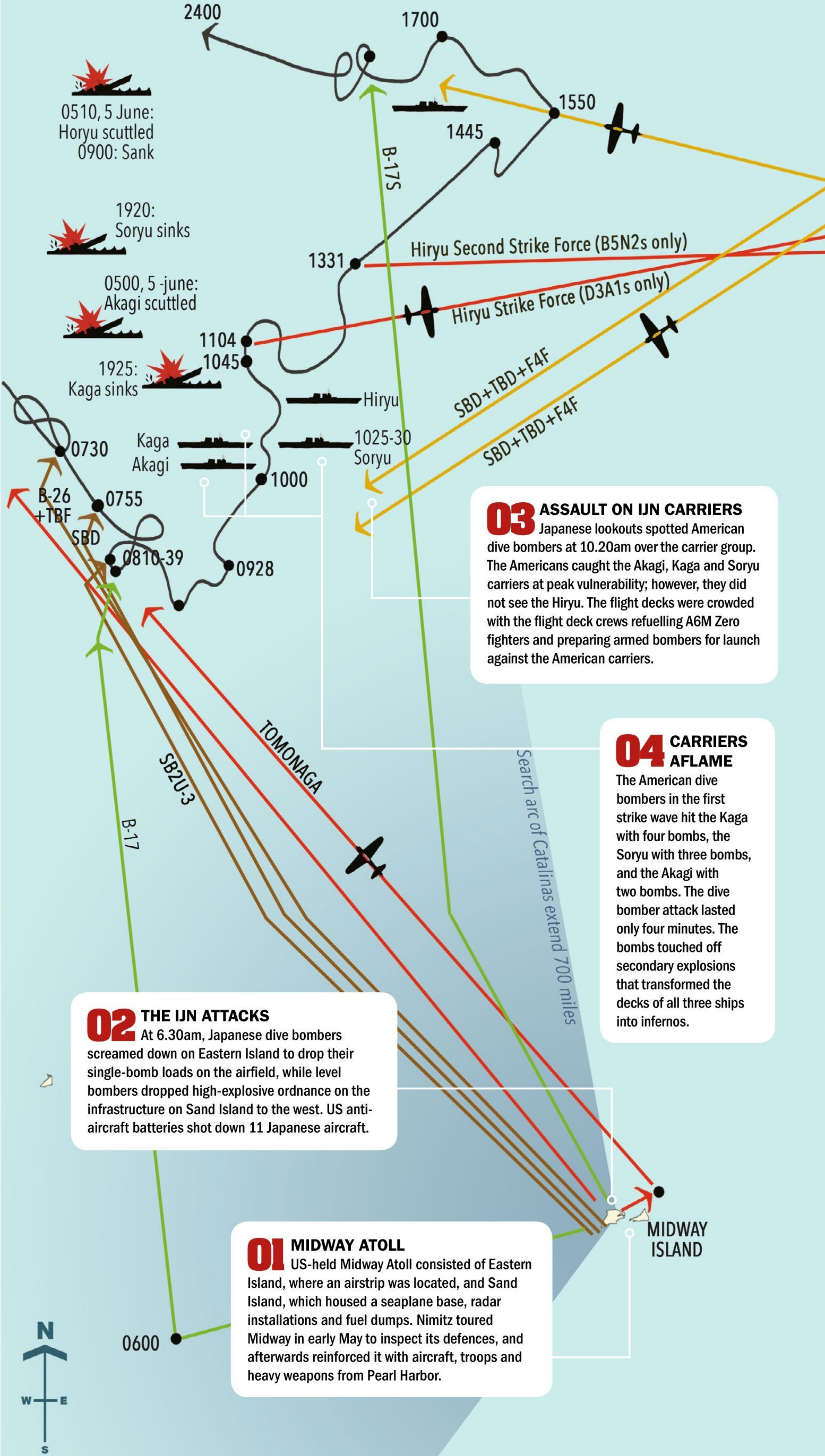
During the last week of May, both sides sailed for the waters around Midway. Nagumo's carrier group departed from Japan on 27 May, and other elements followed over the next several days both from Japan and the Marianas Islands. Meanwhile, Task Force 16 sailed from Pearl Harbor on 28 May, and it was followed two days later by Task Force 17. Both task forces were in position 350 miles north of Midway before the Japanese submarines were in place between Oahu and Midway. The result was an intelligence failure for the Imperial Japanese Navy that would leave Nagumo's carrier group vulnerable to a first strike by the American carriers.

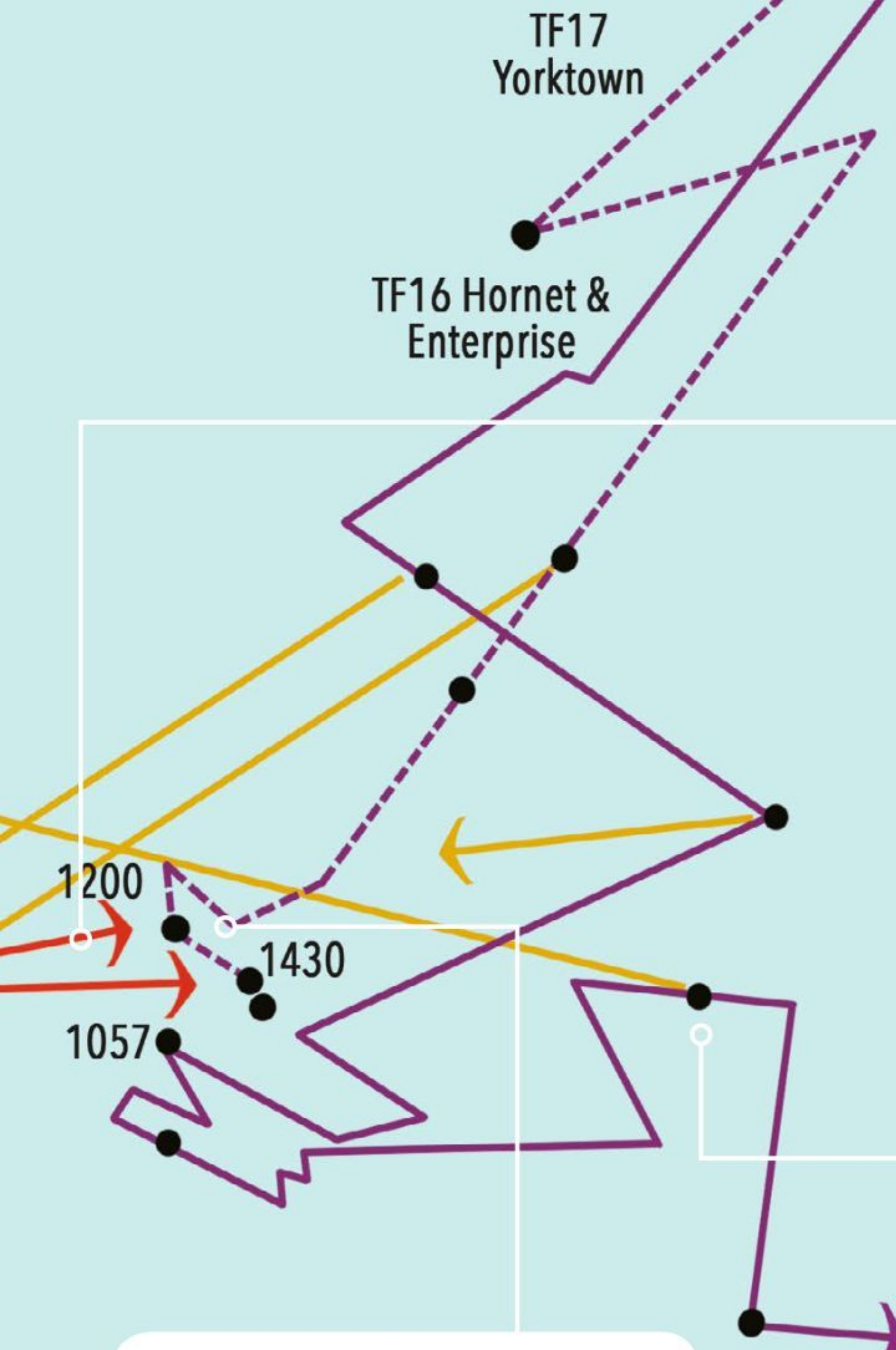
While Nagumo's carrier group moved into position north of Midway, Admiral Kakuta sent strike aircraft from his two light carriers on 3 June to bomb Dutch Harbour. Nimitz sent a task force to counter the Japanese thrust in that sector, but he did not send any of his prized carriers. The feint failed to draw off a US carrier.

The Japanese carriers began launching 108 aircraft to bomb Midway at 4.30am on 4 June. Lieutenant Joichi Tomonaga led a strike group that comprised 36 each of Mitsubishi A6M Zeroes, Aichi D3A1 dive bombers and Nakajima B5N bombers. The Americans used easy-to-pronounce names to report sightings of Japanese aircraft. Thus, 'Val' and 'Kate' were the names appropriated for the Aichi D3A1 dive bomber and

BATTLE OF MIDWAY

4 JUNE 1942



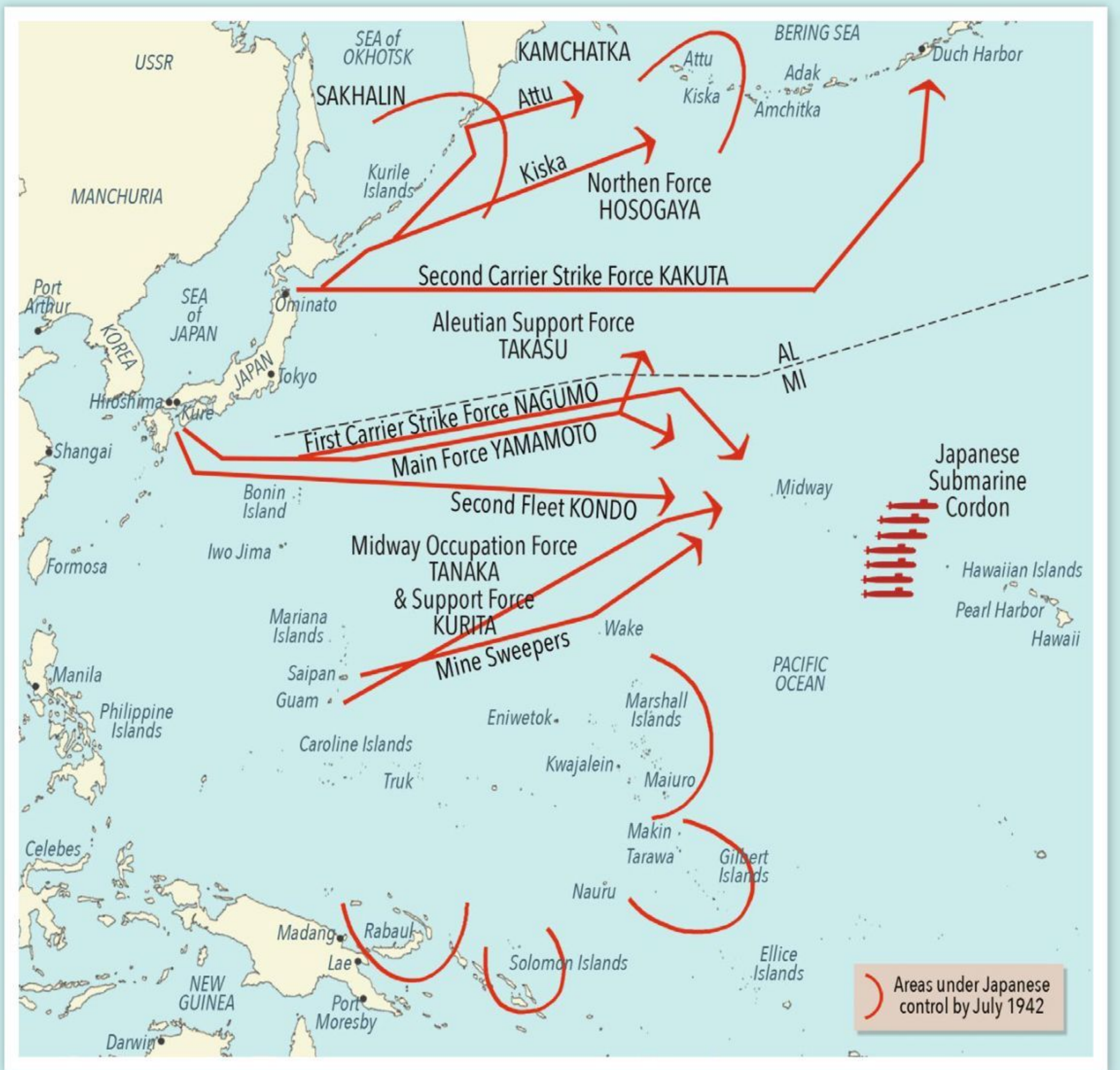


06 TORPEDO STRIKE
A second strike wave from the Hiryu composed of ten Japanese torpedo bombers, escorted by six Zeros, approached the Yorktown at approximately 5pm. Of the five bombers that managed to launch their torpedoes, two hit their already stricken carrier. The torpedoes slammed into the port side of the Yorktown, damaging her fuel tanks and boilers.

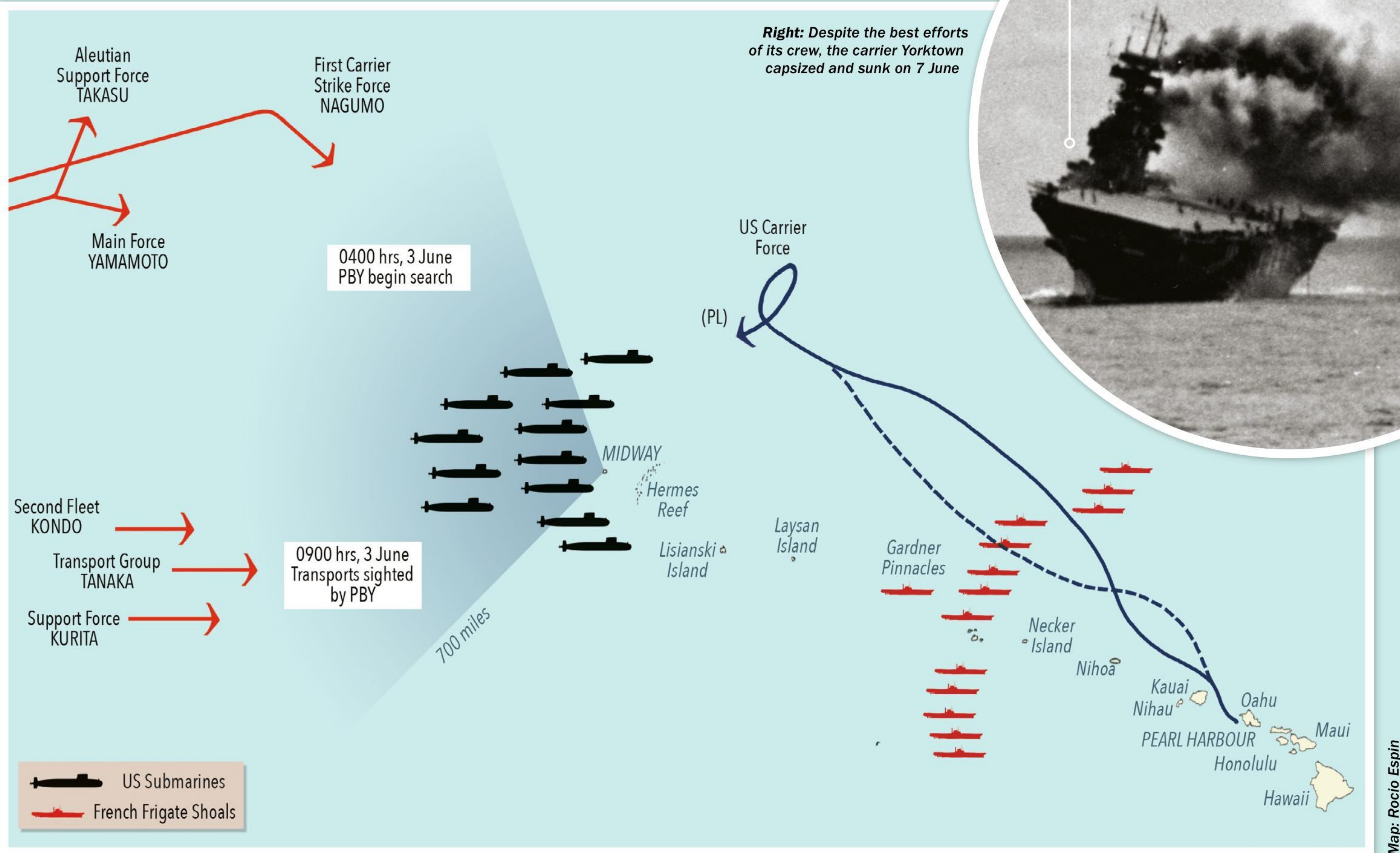
07 HIRYU IS CRIPPLED
A second strike wave composed of dive bombers from the Enterprise and Hornet hit the Hiryu with four bombs at 5pm. Two bombs landed amidships, and two bombs struck the fore deck. The bombs penetrated to the hanger deck, where they set off secondary explosions that ruptured the hull plates below the water line and cause flooding.

05 YORKTOWN ATTACKED
18 dive bombers escorted by six fighters from the Hiryu attacked the Yorktown at Noon. Three bombs struck the deck of the carrier. One bomb struck the forward flight deck, another struck the aft flight deck and penetrated the funnel, and yet another hit the number one elevator on the aft deck.

08 YORKTOWN SINKS
Salvage crews worked tirelessly on the Yorktown, which was listing badly, in an effort to save her. But in the early afternoon of 6 June, Japanese submarine I-168 snuck up on the Yorktown and launched a spread of torpedoes. Two hit the Yorktown, causing her to sink on the following morning.



- Japanese Air Strikes A6M, B5N2, D3A1
- Midway Land Based Air Army B-26, Navy TBF, Marine Corps SBD, SB2U-3
- Midway Based Army B-17s
- US Navy Carrier Air Strikes SBD, TBD, F4F





**“NAGUMO BELIEVED IT WAS IMPERATIVE
TO COMPLETELY DESTROY THE AIRSTRIP SO
THAT ENEMY AIRCRAFT COULD NOT LAUNCH
REPEATED SORTIES AGAINST HIS CARRIERS”**



the Nakajima B5N bomber. The Kate bombers could be configured either for torpedo missions or for level bombing from high altitude. The Vals carried one 550-pound bomb, and the Kates one 1,760-pound high-explosive bomb. For the first strike wave against Midway, the carriers Hiryu and Soryu launched their Kates, and the Akagi and Kaga unleashed their Vals.

Midway radar picked up the incoming hostile aircraft when they were 93 miles out. Air raid sirens wailed as the pilots of the Navy and Marine aircraft scrambled to get aloft in order to avoid near-certain destruction if the aircraft had remained on the ground. 25 minutes later, the airfield was empty. The motley group of US fighters and bombers flew north directly toward the incoming Japanese aircraft.

Sporadic dogfights between the incoming Japanese and outgoing American aircraft from Midway broke out 30 miles from the atoll. Japanese Zeros peeled off from the strike wave to engage the American aircraft, while the Japanese bombers continued on to Midway. Likewise, the US dive, torpedo and level bombers from Midway continued flying north in search of the Japanese carriers.

After his strike group had bombed Midway at 6.30am, Tomonaga radioed Nagumo that another strike was needed to ensure maximum damage to the airstrip and other infrastructure.

Nagumo's Dilemma

Earlier that morning, at 5.52am, PBY Catalina pilot Lieutenant Howard Ady reported sighting two Japanese carriers and reported their bearing, course and speed. Upon hearing the report, Fletcher ordered Spruance to close with the Japanese carrier group and launch his bombers.

Nagumo had only a fraction of the number of search planes looking for the Americans as they had looking for him. At dawn, five Japanese warships launched a total of seven search aircraft. In contrast, the Americans had 33 PBY Catalinas based at Midway, and they had been searching since 30 May for the approaching Japanese warships. This gave the Americans a considerable advantage in aerial reconnaissance, and enabled them to spot the Japanese carriers early in the battle. Early sightings had enabled the Americans to send Boeing B-17 Flying Fortresses against the Japanese warships, but they missed their targets.

While the first wave of Japanese aircraft was assaulting Midway Atoll, Nagumo's air crews were arming a second wave of aircraft to strike the American carriers once they were located. In anticipation of a second strike wave against the American carriers, Nagumo had his air crews arming 'Vals' with armour-piercing bombs and 'Kates' with torpedoes, both highly effective against ships.

Upon receiving Tomonaga's message calling for a second strike against Midway, Nagumo issued orders at 7.15am for the air crews to arm

The burning Japanese aircraft carrier Hiryu with its flight deck collapsed following an attack by American dive bombers

Midway Atoll contained an airfield essential to Japanese plans to expand into the Central Pacific

“THE RESULT WAS CATASTROPHIC, WITH NEARLY ALL OF THE AIRCRAFT BEING SHOT DOWN WITHOUT REGISTERING A SINGLE TORPEDO HIT”

the Vals and Kates for a second strike against the atoll, rather than the unsighted carriers. Nagumo believed it was imperative to completely destroy the airstrip so that enemy aircraft could not launch repeated sorties against his carriers.

The Japanese air crews had to rush to arm the Vals on the hangar decks of the Hiryu and Soryu with high-explosives rather than armour-piercing bombs, and to take the torpedoes off the Kates on the Akagi and Kaga and replace them with high-explosive bombs. The crews needed to work at breakneck speed, because soon the carriers would have to recover the aircraft returning from Midway.

Nagumo received a report at 7.30am that dramatically altered the situation. The pilot of a Japanese floatplane from the cruiser Tone accompanying the First Carrier Fleet reported spotting warships of an enemy task force 240 miles northeast of Midway. 50 minutes later, he confirmed the presence of an enemy carrier in the task force.

The report from the Tone rattled Nagumo and his staff, as they had not expected the carriers of the US Pacific Fleet to be so close to Midway that early in the battle. After learning of the presence of an American task force, Nagumo issued orders at 7.45am for the air crews to leave the torpedoes on

any Kates they had not yet reconfigured with high-explosive bombs.

At 7am, the first strike wave of 121 aircraft took off from the Hornet and Enterprise. Air Group Commander Stanhope Ring led the Hornet's 60 aircraft, and Lieutenant Commander Wade McClusky led the Enterprise's 61 aircraft. As the US bombers and fighters raced toward the Japanese carriers, the US land-based dive and torpedo bombers from Midway were approaching Nagumo's carriers from the south.

Nagumo's fleet had assumed a box formation, with the screening warships protecting the carriers inside. Inside the box, the carriers zigzagged or sailed in wide circles to avoid being struck by enemy torpedoes. The strike aircraft from Midway arrived in small groups over the course of a 90-minute period. However, they failed to register hits, and were either shot down or warded off.

Fletcher, who retained a large number of the Yorktown's aircraft for a follow-up attack, ordered the Yorktown to launch 35 aircraft to join the first strike wave at 8.30am. Shortly after the Yorktown launched her planes, the Japanese carriers began recovering Tomonaga's aircraft. He ordered his fleet to turn east-northeast in preparation for a strike against the American carriers. The US strike aircraft from Midway had completed their attacks at by 9.30am. Nagumo and his subordinates knew that more attacks were coming, and they rushed to get the Vals and Kates ready for the strike against the American carriers.

Nagumo's course change confounded the dive bomber formations looking for the Japanese carriers. Both Ring and McClusky arrived at the position where they expected the enemy fleet to be only to find open ocean below them. Ring failed to locate the enemy and landed to refuel at Midway. However, McClusky turned north at 9.35am in the hope of finding the enemy before having to abort his strike and return to the Enterprise. The torpedo bomber squadrons from the three American carriers had no trouble finding the Japanese carriers, though, and they began making slow glide approaches against the carriers at 9.20am.

Suicide Mission

Each Devastator carried a 12-foot-long, 1,200-pound torpedo. As many as 50 Zeros pounced on the attacking planes, eight miles from the carriers. In what turned out to be tantamount to a suicide mission, all but six of the obsolete Devastators were shot down by Zeros and anti-aircraft guns on the warships. The flak was so intense that many of the torpedo bombers never made it close enough to their targets to launch their deadly cargo.

The result was catastrophic, with nearly all of the aircraft being shot down without registering a single torpedo hit. Their sacrifice was not in vain though, because they tied up shipboard anti-aircraft batteries and Zeros that might have been used against the incoming Dauntless dive bombers.



Survivors from Yorktown transfer between USS Portland (right) and USS Fulton (Left)

Additionally, the torpedo bombers delayed the takeoff of the second wave of Japanese strike aircraft against the US carriers.

As McClusky led his 33 aircraft, Leslie was guiding 17 dive bombers from the Yorktown toward the Japanese carriers. McClusky's aircraft formed up at 19,000 feet for attack, while Leslie's formed up at 14,500 feet. Leslie approached the carriers from the southeast and McClusky advanced from the southwest.

Although McClusky intended for his 33 dive bombers to split into two groups to attack the Akagi and Hago, all but three went for the Hago because of a communications mistake. Three of the pilots realised this error and diverted instead to the Akagi. As for Leslie, he led his dive bombers in an attack on the Soryu. All three carriers suffered heavy damage from the US Navy dive bombers. Nagumo was forced to transfer his flag from the burning Akagi to the cruiser Nagara.

The Japanese were thirsting for revenge, and it fell to the aircraft crews of the Hiryu to inflict damage on the Americans. The Hiryu began launching its aircraft at approximately 11am. Fletcher ordered an additional 15 Grumman F4F Wildcats to launch to join the 12 fighters already conducting combat air patrol. Because the Yorktown's radar picked up the attackers as they were inbound, the flight deck crew was able to send parked aircraft to the hangar deck. Although the Yorktown's anti-aircraft guns and

fighters downed 13 Vals, the Japanese dive-bomber attack was a success. Three bombs exploded on the flight deck of the Yorktown. The heavy damage compelled Fletcher to transfer his flag to the cruiser Astoria. Damage control crews succeeded in putting out the fires after which the flight deck crew was able to recover Leslie's dive bombers as they returned from their mission. In addition, they refuelled the Wildcats in anticipation of a second strike.

When Rear Admiral Tamon Yamaguchi on the Hiryu learned from search aircraft after 1pm that three American carriers had attacked the carrier group, he ordered another strike. The Hiryu began launching torpedo bombers for a second strike against the American carriers at 1.30pm. Since the damage control crews on the Yorktown had put out the fires started by the first strike, the Japanese Kates attacking the Yorktown mistakenly believed they were attacking a second carrier.

Flaming Flattops

An American search plane finally located the Hiryu at mid-afternoon, and less than an hour afterwards, 30 dive bombers took off from the Hornet and Enterprise against Nagumo's last functioning carrier. They destroyed it with four bombs.

As the sun set over the flaming flattops that were once the pride of Japan, the horror of what occurred spread through the Imperial Japanese Navy. Massive explosions ripped through the

Right: Admiral Chester Nimitz was a highly successful in the Pacific theatre and masterminded the defeat of the IJN



Kaga and Soryu, sinking within minutes of each other. Both sides lost large numbers of aircraft. The Americans lost 179 land-based and carrier aircraft, while the Japanese lost all 261 of their carrier aircraft, as well as 71 fighters that the carriers were ferrying for service on Midway once it was captured. Though the Japanese had other carriers, the four lost at Midway were the pride of the navy, and their absence was felt.

Four Japanese destroyers fired torpedoes at the Akagi at dawn on 5 June to sink her, and the Hiryu went down a few hours later. Yamamoto cancelled Operation MI that same afternoon. Nimitz had outfought Yamamoto; in so doing, he torpedoed Yamamoto's dream of destroying the US Pacific Fleet and of forcing the Americans to sue for peace.

BATTLE OF STALINGRAD

23 AUGUST 1942 – 2 FEBRUARY 1943

During the final months of this deadly struggle, an entire army would crumble and the fortunes of war would permanently turn against Nazi Germany

WORDS NIK CORNISH

The Battle of Stalingrad lasted for several months from 1942 until February 1943

It had not been one of the major objectives of the Axis's summer offensive of 1942, but by September that year Stalingrad had become the focal point of the Eastern Front, as its defenders simply refused to give up. This led to an increasing number of German troops being committed to its reduction. However, by 16 November 1942 what was to be Sixth German Army's final, desperate attempt to push the battered remains of the city's defenders from their blood-soaked toeholds on the western bank of the Volga River, ended.

Stalingrad was a model garden and industrial city that ran for 40 kilometres (25 miles) along the western bank of the unbridged Volga River, which at some points reaches a width of 1,500 metres (4,900 feet). At roughly eight kilometres (five miles) wide the city was long and narrow, and was home to some 400,000 people. Much of the population worked in the large factory district located in the northern part of the city. Here the Dzerzhinsky tractor factory, Red October steel works, Silikat factory and the Barrikady artillery factory dominated the city's landscape.

South of the city centre the area was overlooked by the 102-metre (335-feet) high ancient burial mound Mamayev Kurgan, control

of which would allow one side or the other the perfect artillery position from which to dominate the city. Just to the south of the Mamayev Kurgan, near to the main ferry landing point, the Tsaritsa River ran along a narrow gorge into the Volga at 90 degrees. Beyond the city's suburbs the steppe stretched, undulating gently in all directions and rising gently to the west, where it met the Don River over 100 kilometres (62 miles) away.

Defending the rubble of central and northern Stalingrad were the men of the 62nd Army commanded by Lieutenant General V.I. Chuikov: to the south, a less industrialised area, was the 64th Army led by Major General M.S. Shumilov. By mid-November the Soviet troops in the city were reduced to holding pockets of varying sizes, like islands adrift in a sea of rubble, often connected only by the Volga, across which all their meagre supplies and reinforcements arrived. Yet, by some supreme act of desperation, bravery and tenacity they held on, grinding down their attackers in conditions that resembled those of Verdun.

Facing them, the German Sixth Army, under Lieutenant General Friedrich Paulus, and part of Army Group B (a sub-division of AGS) commanded by Colonel General Max von Weichs, had pushed eastwards from the city's outskirts, coming to

within 500 metres (1,640 feet) of the Volga. There they had stalled, trapped in a nightmare landscape of their own air and artillery attacks' creation. Dependant on a supply line that stretched across the steppe to the Don River bridgeheads, particularly the railway crossing at Kalach 72 kilometres (45 miles) away, Sixth Army was exhausted but still anticipated victory. But they were unaware of the extent of the Soviet forces concentrating on their flanks.

Soviet planning

Planning for an ambitious counteroffensive in the Stalingrad area had been underway since 12 September. At a conference in Moscow, General of the Army G.K. Zhukov and Colonel General A.M. Vasilevsky suggested to Stalin that Sixth Army be encircled by thrusts through the left and right flanks that were defended by the Third and Fourth Romanian Armies respectively. Both Romanian forces were weak in armour and anti-tank weapons and were holding positions that were vulnerable and made poor use of the terrain. Armoured forces were to break through the Romanians, drive across the steppe and then link up at Kalach. The distance to be covered by the northern arm was 128 kilometres (80 miles), the southern 97 kilometres (60 miles). Southwestern and Don Fronts (under



ALLIES TAKE CONTROL



Following the end of their November attacks the German troops in and around the city resigned themselves to the prospect of another winter in the USSR. Their preparations for a quiet, relatively cosy Christmas were to prove overly optimistic

The assembly of men and machines for Operation Uranus was carefully undertaken. Movement into assembly areas took place mainly at night or during periods of bad weather. During October all civilians, other than those engaged in construction work, were evacuated as a further security measure



Across the lines outside of Stalingrad the Soviets had been building up two groups of armies. To the north was the Southwestern Front, to the south the Stalingrad Front. Don Front lay between them. Stalingrad's defenders, 62nd and 64th Armies were assigned to Stalingrad Front. Up to 700,000 men and 1,300 tanks now waited for orders

commanders Lieutenant General N.F. Vatutin and Lieutenant General K.K. Rokossovsky respectively) were to comprise the northern thrust and Stalingrad Front would perform the southern thrust.

When the encirclement was complete, part of the force would face inwards to contain Sixth Army, and part outwards to prevent any relief effort that, it was anticipated, would come from the southwest. Stalin gave the plan his backing within 24 hours of its proposal. Code-named Operation Uranus, its start date was to be 9 November. In order to assemble the vast amount of men, weapons and supplies needed, it was decided that Stalingrad's defenders would only be allowed a minimum of reinforcements: everything possible was to be sent to the flanks.

Intelligence discounted

The Romanian Third Army, aware of some sort of Soviet build-up, requested permission in late October to liquidate the Soviet bridgeheads over the Don River at Serafimovich and Kletskaya, but the request was refused. German intelligence was convinced that the major Soviet offensive of the winter would be directed at Army Group Centre, which still threatened Moscow. Furthermore, Stalingrad itself appeared to be on the brink of capture and all Sixth Army's resources were focussed on that objective. Romanian Fourth Army, to the right, was equally concerned at Soviet

movements and build-up, but these concerns were also dismissed.

To an extent the Soviets had contributed to this by a series of poorly prepared counterattacks made to the north of the city during October that had been easily repulsed, giving Sixth Army a false sense of security. Indeed, Hitler himself scoffed at the possibility of the Red Army carrying out anything approaching a major operation, as he regarded it as a spent force awaiting the coup de grace shortly to be delivered. However, Sixth Army's intelligence staff did warn Paulus of a Soviet build-up, but their concerns were felt to be overly pessimistic and were discounted. It was a classic case of underestimating the enemy.

Third Romanian Army declared that a Soviet attack was due on 7-8 November, 25 years after the Bolshevik Revolution. Although nothing happened, Luftwaffe reconnaissance flights backed up the Romanians' concerns – the Soviets were increasing their forces to the north of the city. Hitler agreed to reinforce the Romanians with XXXXVIII Panzer Corps's 14th and 22nd Panzer divisions and First Romanian Armoured Division. But these units were understrength and lacked both modern tanks and fuel. Nevertheless, it looked like a powerful force – at least at Hitler's HQ if not out on the steppe. When General Hermann Hoth, commanding Fourth Panzer Army – which included XXXXVIII Panzer Corps and VI Romanian Corps – voiced his concerns about the Soviet concentrations

developing opposite VI Corps, he too was ignored. Hoth's five Romanian infantry divisions covered the line south from Stalingrad to Romanian Fourth Army's position. Again, to soothe his ally's nerves, Hitler sanctioned the issue of a small number of anti-tank guns and mines to Romanian Fourth Army.

Operation Uranus (North)

The build-up of Soviet forces for Operation Uranus took longer than anticipated, so Zhukov asked for a postponement of the attack and was granted ten days. On 18 November Chuikov was informed of the attack, and for his 62nd Army it came just in time, as the Volga was almost frozen to the point where it was too difficult for ships but too weak for foot soldiers or vehicles to cross.

As the ice floes ground downstream to their rear, Stalingrad's defenders had been split into three groups – two small pockets and the main one, which ran from the Red October steel works to the southern suburbs. When the frontoviki (front line men) heard the gunfire to the north during the morning of 19 November they did not believe the rumoured counteroffensive was underway. It was only when artillery fire was heard coming from the south 24 hours later that they let themselves believe it was true.

The first victim of Operation Uranus was Third Romanian Army. At 8.50am Fifth Tank Army (Southwestern Front) struck at the junction of the Romanians' left flank, where it abutted the Italian

SIXTH ARMY POWS

Prisoners faced a bleak future as they were herded together

It had taken the Soviets some time to realise the numbers trapped in the Stalingrad pocket. Consequently there was a degree of confusion over the numbers actually captured. There is no doubt that many Axis troops were summarily executed during the fighting as a reaction to the conditions many Soviet troops had seen their own men kept in as POWs. Furthermore, of the large number of Hiwis, many attempted to melt into the chaos. A figure that is generally accepted for Axis POWs is 91,000.

As Paulus underwent interrogation and had his staff car confiscated, his hungry, exhausted and sick men stumbled across the river they had bled to reach. Thousands died of malnutrition, frostbite and mercy shots as they were herded eastwards to camps that they were often expected to build for themselves. As their former commanders bickered and took positions that either damned or supported their government, their men continued to die.

POWs crossing the frozen waters of the Volga



The POWs were divided by nationality, and the non-Germans were treated marginally better and placed in positions of power over their former allies. Inevitably there was dissent. Of the 45,000 who survived into the spring and summer, work was the only way to ensure some hope of a return home. Those with building skills were set to rebuild towns and cities ruined by the war or for party apparatchiks in Moscow, where their work was highly valued. In 1955 only 5,000 Stalingrad veterans returned to Germany.

The legacy of Stalingrad: Axis corpses await burial on the outskirts of the city

“IN 1955, ONLY 5,000 STALINGRAD VETERANS RETURNED TO GERMANY”



In the city patrolling continued. A nicely posed shot of Germans moving cautiously through the Red October steel works provided the media at home with optimistic propaganda for civilian consumption

Below: The dispersal of German armoured formations and the use of Panzer crews as infantrymen in Stalingrad contributed to the slow response to Soviet breakthroughs. Fuel and ammunition were to be collected from depots in the rear, which were often either captured or destroyed by their fleeing defenders

Below: Men and officers celebrate the link-up of Stalingrad and Southwestern Fronts at Sovietsky Farm 15 kilometres (nine miles) closer to Stalingrad on 23 November

Below: Other bridges, such as that at Vertyachy, were still in German hands, and it was for these that the Axis forces west of Stalingrad headed. However, a shortage of horses meant that a lot of equipment had to be abandoned



Eighth Army. To the Soviet right, First Guards Army was positioned to prevent any Italian counterattacks. Four hours of desperate fighting resulted in a Soviet breakthrough with support from the Red Air Force as the morning mist rose. Alerted to the Soviet attack, Paulus's HQ was nevertheless unaware of its seriousness until later in the day. By then Soviet tanks of IV Tank Corps supported by III Guards Cavalry Corps were through IV Romanian Corps defences, supported to their right by Fifth Tank Army, which was reducing Romanian II Corps to a state of confusion. At Army Group B's headquarters, Weichs ordered Paulus to halt operations in Stalingrad, "with the objective of moving forces to cover the rear [left] flank of Sixth Army and secure lines of communication".

Convinced that Don Front's attack was the main threat, Weichs had ordered XXXXVIII Panzer Corps to drive to the Romanians' rescue. In effect Weichs was trying to assemble a mobile striking force to hold the Soviet armour, utilising virtually all of Sixth Army's Panzer and motorised divisions. However, 16th and 22nd Panzer Divisions were not ready to move, as their units were scattered and poorly supplied with ammunition and fuel. Consequently First Romanian Armoured Division's obsolete

Skoda tanks were almost the only vehicles immediately available.

The Romanian armour ran into the T34s of XXVI Tank Corps and narrowly escaped complete destruction. Soviet armour and cavalry forces were under strict orders to avoid serious combat, their primary objective being to encircle Sixth Army, so they pushed ahead, leaving disorganised groups of Romanian defenders to be dealt with by the supporting infantry. The German infantry divisions north of Stalingrad were now forced to realign themselves westwards to cover their flanks and rear. German 376th Infantry Division was closest to the Romanians and began to bend to its left, as did the German 44th Infantry Division but, due to fuel shortages, this was a problematic manoeuvre and equipment had to be abandoned. During the next 24 hours these formations and 384th Infantry Division pulled back to the southwest and the Don. South of these units, 14th Panzer Division was attempting to determine the direction of the Soviet thrust while 22nd Panzer Division was falling back in the face of I Tank Corps.

To further complicate Army Group B's difficulties was the fronts their flanking divisions were trying to hold. In the case of Romanian Third Army this was 20-24 kilometres (12-15 miles). To the south,

Romanian Fourth Army's right flank was patrolled by Eighth Cavalry Division, which was attempting to monitor a 150-kilometre (93-mile) line.

Operation Uranus (South)

Sixth Army HQ was situated 20 kilometres (12 miles) north of Kalach – the proposed Soviet junction point – at Golubinsky, unaware that Soviet tanks were within 30 kilometres (19 miles) of their position. During the course of 21 November it was decided to relocate to the rail junction of Gumrak, just west of Stalingrad, where there was also an airfield. However, during this movement a message came through ordering Sixth Army to "stand firm in spite of danger of temporary encirclement", but was overlooked. Paulus's staff were not fully aware of the threat moving towards them from the southern pincer.

Stalingrad Front, under Colonel General A. I. Yeremenko, preceded its attack with a 45-minute bombardment on 20 November. As the gunfire died away the infantry rushed forward at 10.45am, supported by tanks of XIII Mechanised Corps. Soviet reports of the breakthrough suggested a mix of stolid Romanian defence and abject surrender, while nearby German observers noted that "masses of Soviet tanks... in quantities never seen before" were

A Soviet 76mm infantry support gun prepares to fire. Pockets of resistance were left to be mopped up by follow-up units. Food and other supplies were sacrificed for fuel and ammunition



“THE ROMANIAN ARMOUR RAN INTO THE T34S OF XXVI TANK CORPS AND NARROWLY ESCAPED COMPLETE DESTRUCTION”

pouring across the snow into Fourth Romanian Army's positions.

The Soviet breakthrough came speedily: after only two hours Romanian VI Corps was approaching near collapse. The timely intervention of German 29th Motorised Infantry Division stabilised the situation briefly, but it was ordered to withdraw in order to protect Sixth Army's southern flank, leaving the battered Romanians to their own devices. By this point, virtually no organised defence lay between Stalingrad Front's armour and Kalach: only the problem of refuelling the Soviet T34s could slow their rapid progress.

The bridge at Kalach crossed the Don River roughly 75 kilometres (47 miles) from Stalingrad, but its garrison only discovered they were under threat on 21 November and remained unaware that XIII Mechanised Corps was within 50 kilometres (30 miles) of their position. The units in and around Kalach consisted of some Luftwaffe anti-aircraft guns, a variety of supply and support troops plus some field police and labourers of the Organisation Todt. Most of the flak pieces were positioned on the higher western bank overlooking the bridge and the village of Kalach on the eastern bank, where an ad hoc battlegroup was forming.

The Soviet XXVI Tank Corps approaching from the northwest was in a hurry to close the trap

THE AIRLIFT

The efforts to create Hitler's promised sky bridge fell short

Supplying the men and machines in the Stalingrad pocket by air began on 23 November. JU-52 transport planes flew into Pitomnik airfield (roughly 20 kilometres or 12 miles from central Stalingrad) mainly from Tatsinskaya to the west.

Despite the objections of local Luftwaffe commanders Goering would not explain to Hitler that the air bridge was unable to deliver the necessary tonnage of supplies. It was estimated that 300 tons per day would keep the garrison functioning, whereas 750 tons would enable it to perform at an operational capacity. This latter figure was revised down to 500 tons. The reality was somewhat different. Even when He-III and FW-200 bombers were pressed into service to supplement the JU-52s the delivery of 300 tons was achieved only once.

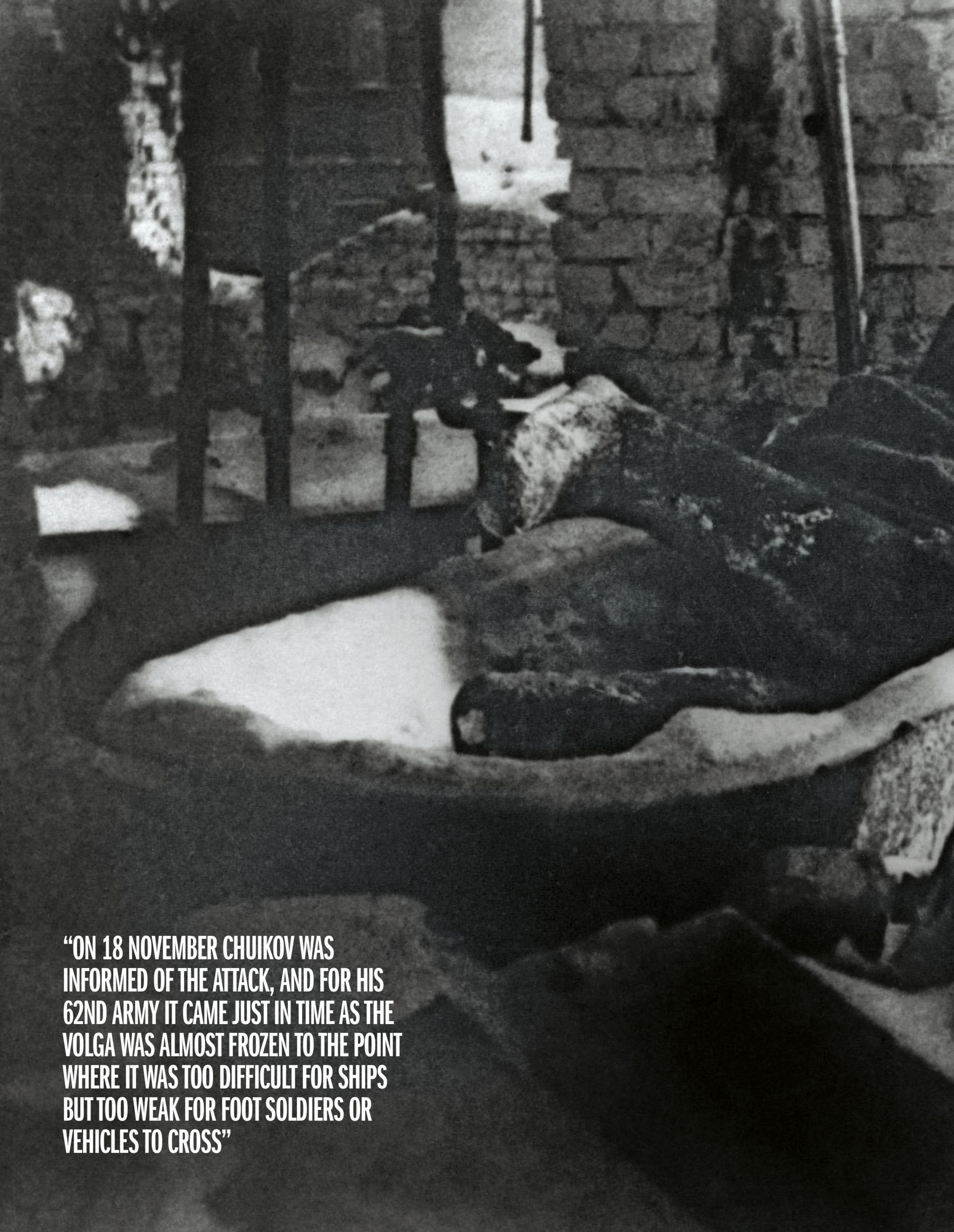
Tatsinskaya was overrun by Soviet armour on 24 December. It was recaptured four days later. Flights were switched to airfields further west, extending the flight time. Up to 45,000 wounded were evacuated by air. Pitomnik fell on 17 January, and Gumrak became the main airstrip for six days, until it too was captured. The remaining airfield couldn't deal with transport planes. Supplies were parachuted in but most were lost in snow.



Above: A wrecked JU-52 at Tatsinskaya. Surprised by the attack, many aircraft took off but 72 (Luftwaffe figures) were destroyed on the ground. The Soviets claimed 300 destroyed including "a trainload of disassembled aircraft". Whichever figure is correct, it was a heavy blow to the airlift



Above: The Soviets placed battery after battery of anti-aircraft guns on the flight paths to Stalingrad. These took a heavy toll of the lumbering, fully laden aircraft both arriving and departing



“ON 18 NOVEMBER CHUIKOV WAS INFORMED OF THE ATTACK, AND FOR HIS 62ND ARMY IT CAME JUST IN TIME AS THE VOLGA WAS ALMOST FROZEN TO THE POINT WHERE IT WAS TOO DIFFICULT FOR SHIPS BUT TOO WEAK FOR FOOT SOLDIERS OR VEHICLES TO CROSS”

Soviet soldiers closed in
on the surrounded Sixth
Army, but found that the
Germans had reorganised
themselves into a
dangerous defensive force



ALLIES TAKE CONTROL

and allocated several captured German vehicles to an armoured group that, after three hours of confused fighting, captured the bridge intact and liberated the village. Although the Soviets claimed 1,500 POWs, other accounts noted that German troops managed to drive away and head for Stalingrad, having destroyed supply and repair facilities. The following day troops of the southern pincer, IV Mechanised Corps, arrived at Kalach. Stalingrad was, at least tenuously, surrounded.

As the Germans approached the Don bridges, queues began forming to make the crossing. Priority was given to Germans, and many Romanians were pushed aside with the butt of a feldgendarme's machine pistol. Rumours of Soviet attacks only fuelled the increasing sense of confusion that was slipping inexorably towards chaos. Once across the river there seems to have been little sense of anything but a pervasive desire to reach the haven they believed Stalingrad to be. The question on every man's lips was summed up in one diary entry: "Will we get through to the big pocket?"

Elsewhere other pockets of resistance, such as that of the Romanians commanded by General Mihail Lascar from the remains of V Army Corps, were crumbling under Soviet pressure. Stalingrad, the 'big pocket', seemed to offer security, order

and the chance to survive, whereas the snow-blown steppe was a frozen, featureless wasteland where Soviet cavalry roamed at will scooping up stragglers. The men of the German army in the east, almost to a man, believed the Red Army rarely bothered to keep POWs alive. By 26 November the only organised groups of German troops left on the west bank of the Don were 16th Panzer Division and elements of 44th Infantry division. They crossed the Luchinsky bridge that evening, blowing it after the last man had crossed.

The Soviets now began to develop their inner and outer rings of enclosure as Paulus and his staff struggled to bring some sort of order to Sixth Army. On 23 November, in what Hitler called 'Fortress Stalingrad', Paulus was to carry out his order to "adopt hedgehog [all-round] defence, present Volga line and northern front to be held at all costs [as] supplies coming by air". Furthermore the Fuhrer created a new command, Army Group Don, under the command of Field Marshal Erich von Manstein, on 20 November to restore the situation in southern Russia, despite his other concerns, such as the Anglo-American invasion of North Africa and the occupation of Vichy France.

Within the fluid 200-kilometre (124-mile) perimeter that enclosed Fortress Stalingrad

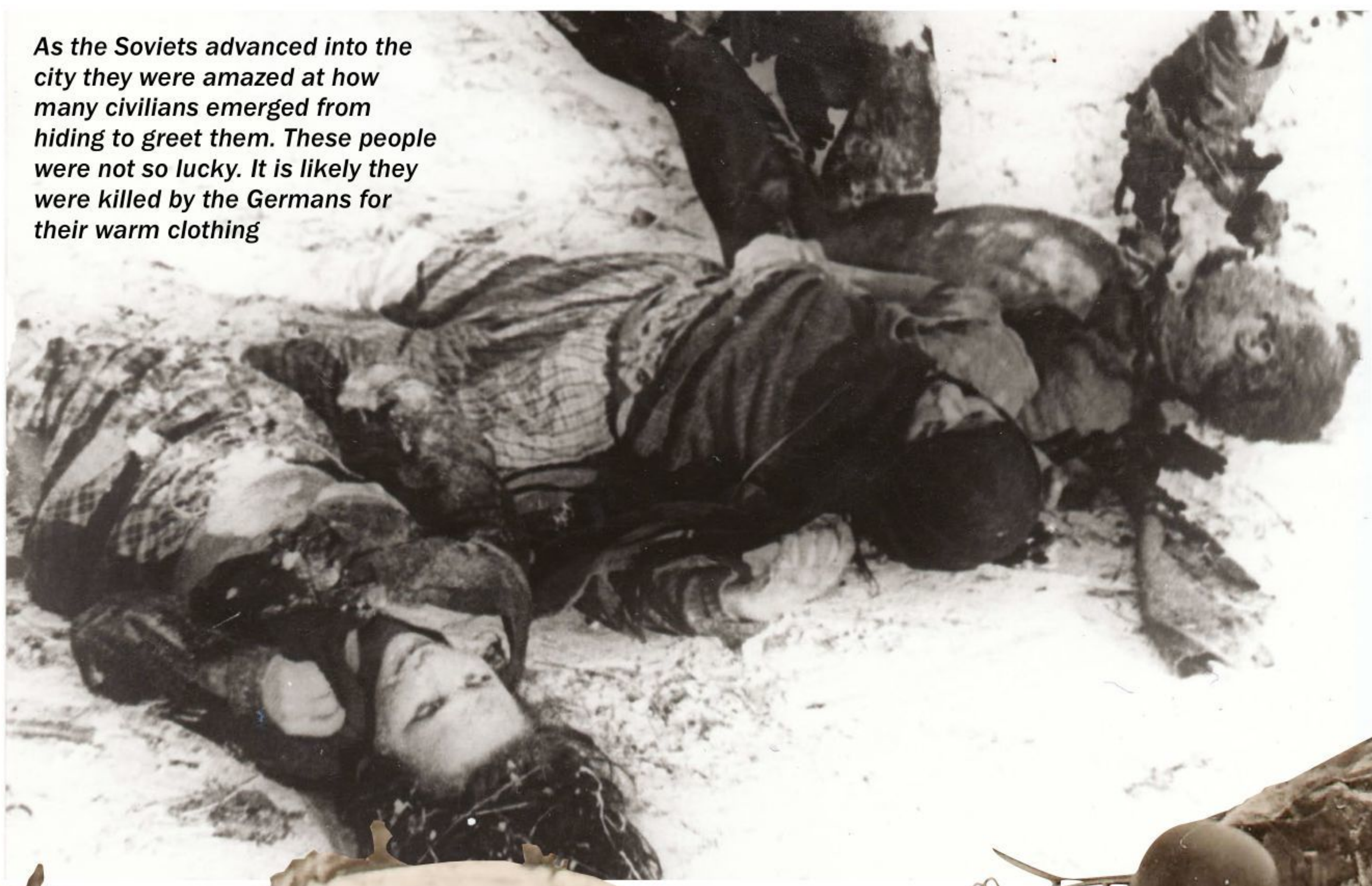
were some 22 divisions, numbering roughly 240,000 men – including much of Romanian 20th Infantry Division, a group of Italians looking for building materials and the entire Croatian 369th Reinforced Infantry Regiment fighting in the factory district. There were also up to 50,000 Russian volunteers working for or fighting alongside the Germans. Known as Hiwis (short for Hilfswilliger or voluntary assistant) they were often POWs collaborating to avoid a dire fate or anti-Soviet groups such as the local Kalmyks and Don Cossacks. These men and women would be a particular target for the NKVD, who were tasked with rooting out all collaborators. Surrounding them as the inner cordon were seven Soviet armies that included both the Don and Stalingrad Fronts, along with 21st Army from Southwestern Front and 62nd Army in the city itself.

The external cordon followed the Chir, Don and Aksay rivers for 322 kilometres (200 miles). Fourth Panzer Army had managed to hold onto a bridgehead across the Chir at Kotelnikovo to the southwest while 16th Motorised Infantry Division covered the empty, inhospitable Kalmyk Steppe between Army Group Don and Army Group A far away to the south in the Caucasus. This latter formation was now in danger of isolation – very little covered its lines of communications to the west through Rostov, and it was naked before the Red Army. The obvious question now was what should Sixth Army do? Should it try to break out, or stand firm and trust Hitler's promise of an air bridge?

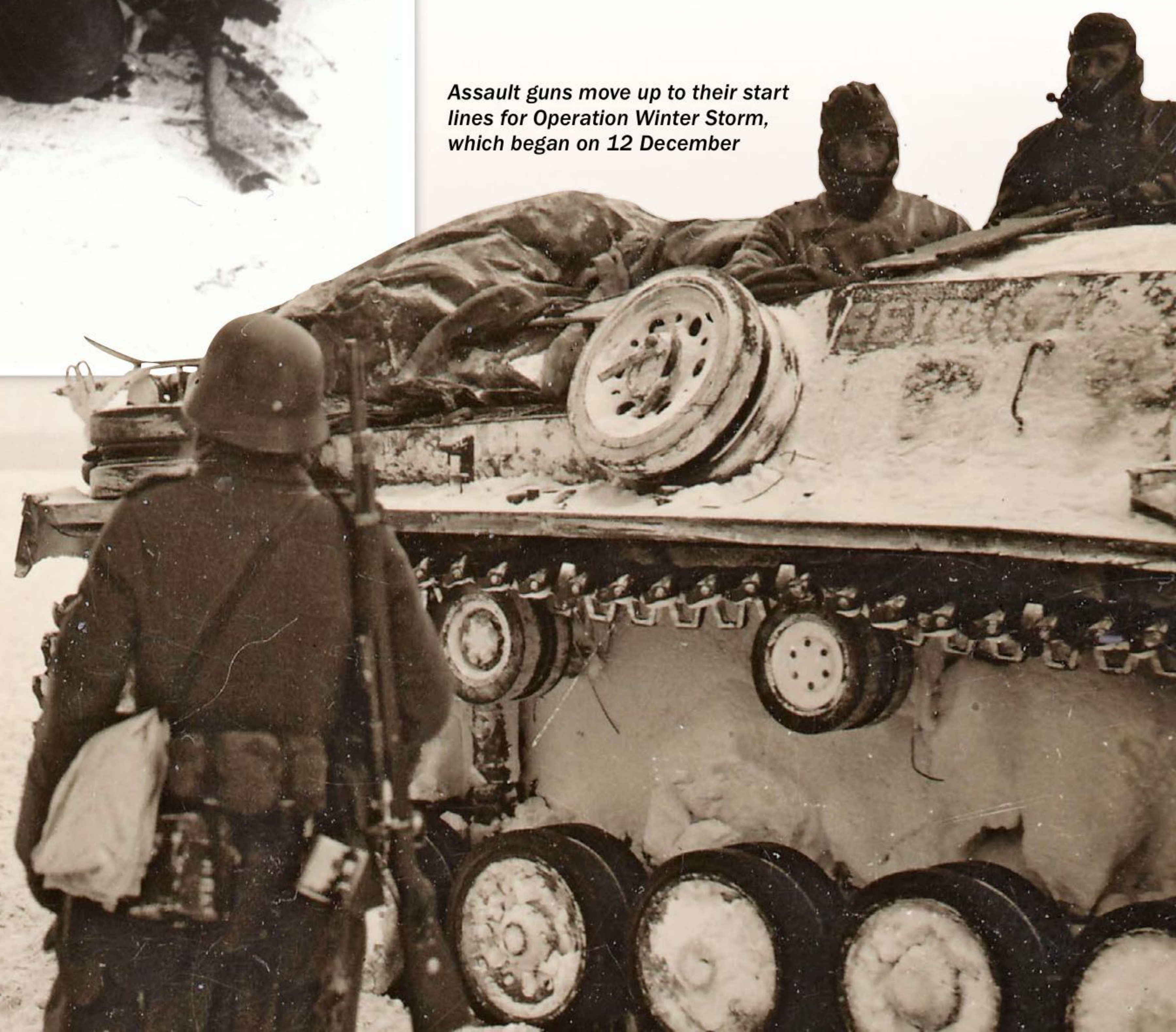
Operation Winter Storm

As the Red Army organised itself around the city, established supply lines and caught its breath, Manstein frantically prepared what was proclaimed to be a relief mission for Sixth Army. However, the matter of a breakout provoked controversy

As the Soviets advanced into the city they were amazed at how many civilians emerged from hiding to greet them. These people were not so lucky. It is likely they were killed by the Germans for their warm clothing



Assault guns move up to their start lines for Operation Winter Storm, which began on 12 December



"STALINGRAD, THE 'BIG POCKET', SEEMED TO OFFER SECURITY, ORDER AND THE CHANCE TO SURVIVE'"

**“AS THE SENIOR OFFICERS WERE
DRIVEN OFF TO A RELATIVELY CIVILISED
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SHUFFLED TOWARDS THE VOLGA RIVER AND
A VERITABLE DEATH MARCH TO THE EAST”**

Soviet infantry attack the outskirts of a village during Operation Winter Storm. This offensive caused the postponement of Operation Ring

Images: Alamy, CMAF, Stravka

from the moment of encirclement. Manstein was allocated three infantry divisions and three Panzer divisions, only one of which was immediately available. Hitler was only prepared to sanction a thrust to Stalingrad that would enable its resupply and ensure that the city would not fall, but reserved the right to allow a breakout. However, Manstein lacked the resources to accomplish this and re-establish the front to cover Army Group A in the Caucasus. Nor had the Soviets called a halt to their offensive as the continuation of Operation Uranus, Operation Saturn, was timed to start on 10 December.

Saturn was a far more ambitious envelopment offensive that was to break the Italian Eighth Army, which was positioned to the left of Romanian Fourth Army's former position north of Stalingrad, and then push on to Rostov, thus isolating Army Group A. In preparation for the operation, Vasilevsky instructed Don and Stalingrad Fronts to squeeze Sixth Army's perimeter and link up at Gumrak. Fighting began during the first week of December but rapidly ground to a halt in the face of a fierce, well-organised defence, which demonstrated that Moscow had underestimated the power and size of Sixth Army. The Soviets were convinced they had trapped a mere 100,000 men with little combat capability. Consequently, Stalin ordered Rokossovsky to draw up a plan for a more considered offensive against the Stalingrad pocket, which was code-named Operation Ring.

As Manstein's forces gathered at Kotelnikov bridgehead, Vasilevsky attempted a spoiling attack, which failed but obliged Manstein to alter

his line of attack. Now it would take a longer route across terrain that involved crossing the Aksay and Myshkova rivers. The attack caused the Soviet forces of the inner perimeter to concentrate on preventing any breakout. It also led to Operation 'Little' Saturn that would defeat Manstein's thrust.

Operation Saturn proper was reduced and was now intended to simply break into the rear of Army Group Don via the Italian position. Its start date was to be 16 December. As Manstein's armour reached the Myshkova – the second river it faced – Soviet Sixth and First Guards Armies tore into the Italian positions, which caved in after 48 hours of hard fighting. Simultaneously XXXXVIII Panzer Corps's line west of the Don along the Chir River began to crumble. To crown everything, Stalingrad Front counterattacked along the Myshkova River, pushing Army Group Don's armour back to its start line over the course of the next three days. On 28 December a much shaken Hitler agreed to pull Army Group A out of the Caucasus and ordered Manstein to establish a defence line 240 kilometres (150 miles) west of Stalingrad.

Paulus and Sixth Army were on their own. With the Volga frozen, Chuikov's 62nd Army was supplied with relative ease as their enemy slaughtered horses and stared at the skies for the very few aircraft and parachutes that appeared. Christmas celebrations were muted as the morale of Sixth Army gradually eroded, worn down by lack of food and little hope of relief. The Soviets husbanded their resources in preparation for Operation Ring.

Operation Ring

The start date for Ring was 6 January but was delayed by four days. The whole operation was to be carried out by Don Front with holding attacks to be mounted by 62nd and 64th armies. The pocket was to be sliced up with an initial attack to cut off the 'nose' that poked westwards from the city.

The attack began at 9am. 62nd Army's assault groups took the Mamayev Kurgan and the Red October factory, while out on the steppe three Soviet armies hammered the perimeter lines, destroying 44th and 376th infantry and 29th Motorised Divisions, whose troops scattered towards the built up areas to the east. Pausing briefly to regroup, the next phase of Rokossovsky's attack reduced Sixth Army by a further five divisions and forced Paulus to move his HQ into the cellars of the Univermag department store in the city centre.

When on 26 January men of Don Front met up with troops of Chuikov's command, the pocket was split into two, north and south. Five days later Paulus was promoted to Field Marshall to stiffen his will to fight on, but to no avail. At 7.45am on 31 January the southern pocket and Paulus announced their intention to surrender. The northern pocket continued to fight on under the leadership of Major General Karl Strecker, who surrendered on 2 February.

As the senior officers were driven off to a relatively civilised confinement, the lower ranks shuffled towards the Volga River and a veritable death march to the east.

SECOND BATTLE OF EL ALAMEIN

EGYPT 23 OCTOBER – 11 NOVEMBER 1942

Montgomery's Eighth Army takes on Rommel's Axis coalition
in this huge desert clash to decide the course of World War II

WORDS TOM GARNER

For most of 1942, the North African campaign had not gone well for the Allies. Since the fall of France in 1940, Britain had borne the brunt of the fighting against both Nazi Germany and Fascist Italy, but two years later, the struggle in the desert had witnessed dramatic changes in fortunes on both sides.

With the Axis dominating the northern half of the Mediterranean Sea, Britain's imperial possessions in the Middle East came under direct threat. Chief among their concerns was the security of the Suez Canal. If Axis forces took it, then Britain's communication and supply routes to its empire in India and the Far East would be cut off. Without the canal, it was widely believed that Britain could not carry on fighting the war.

Both sides knew this, and therefore the deserts of North Africa became an intense fighting ground that ebbed and flowed depending on the combatants' fighting ability, logistical constraints and the strategic priorities of political leaders. At first things went well for the British. They were initially faced with the Italians who attacked Egypt from their colony of Libya, but were easily swept back. Next, however, they faced the Afrika Korps of the Wehrmacht sent by Adolf Hitler in support of his Italian allies. The Korps was led by the formidable Field Marshal Erwin Rommel – a highly experienced general, tank commander, decorated World War I veteran and a key player during the Battle of France. His use of surprise tactics and continued momentum to push the Allies out of Libya, despite often being outnumbered, soon earned him the nickname the 'Desert Fox'.

By 1942, the British Eighth Army was withdrawing to the Egyptian frontier. The Allied fortress of Tobruk fell on 21 June with more than 30,000 British and Commonwealth soldiers taken prisoner. This was the largest number of Allied



prisoners taken since the fall of Singapore earlier in the year. This meant the situation had become perilous for the British.

However, one of Rommel's weaknesses was that he often suffered from a shortage of supplies, particularly fuel for his panzers and other armoured vehicles. This was largely because the Royal Navy and RAF in the Mediterranean and the Atlantic harassed the German supply routes. This handicap was temporarily eased by the fall of Tobruk, as Rommel captured lots of supplies from the British. This enabled him to advance much further into Egypt.

Building defences

There was now a real threat that Egypt could fall to the Axis forces and the entire North African campaign would be lost. By this time, the USA had entered the war but not yet arrived in sufficient numbers to tip the balance in the Allies' favour. It was up to the Eighth Army to reorganise and throw Rommel back.

The British commander, Lieutenant General Claude Auchinleck, constructed a new defence line from the minor railway station at El Alamein. The line stretched more than 30 miles from the coast to the Qattara Depression in the south. The

“WITH THE AXIS DOMINATING THE NORTHERN HALF OF THE MEDITERRANEAN SEA, BRITAIN’S IMPERIAL POSSESSIONS IN THE MIDDLE EAST CAME UNDER DIRECT THREAT”

Depression was important, as its terrain was full of features that were impossible for motorised vehicles to pass through, such as salt lakes and very fine powdered sand. Additionally, the El Alamein defences were effectively fenced off at the Depression by high cliffs, which made it impossible for Rommel to outflank the British. For the Eighth Army, the Alamein line became the last defence – if Axis forces broke through, Auchinleck intended to hold the Germans on the Suez Canal and even in Palestine if necessary.

What became known as the First Battle of El Alamein started on 1 July when Rommel attacked the British line. This offensive was repulsed thanks to the Desert Air Force and a

timely sandstorm, so Rommel made further assaults against the line throughout the month, all unsuccessful.

At the same time, the British could not drive Rommel back. The result was a stalemate. This first battle prevented Rommel from advancing further into Egypt, but it was only a temporary measure. El Alamein was 240 kilometres from Cairo and, more alarmingly, only 106 kilometres from the vital port of Alexandria. The sense of emergency was becoming acute.

In particular, Winston Churchill was becoming highly impatient with his generals – the British Army had not won a major land battle since the war began and he was becoming increasingly

Two Commonwealth soldiers capture a German on 25 October during a sandstorm. British imperial troops formed a significant part of the Eighth Army



ALLIES TAKE CONTROL

frustrated with the situation in North Africa. He remarked after the fall of Tobruk: "Defeat is one thing, disgrace is another," and he was still not satisfied after the First Battle of El Alamein had checked the Axis advance. Even Rommel remarked to captured British soldiers at Tobruk: "Gentlemen, you have fought like lions and been led by donkeys."

Churchill needed to prove to his new American allies that the British were a force to be reckoned with on the battlefield. With that in mind, he removed Auchinleck, despite his early success at El Alamein, and installed Lieutenant General William Gott as commander of Eighth Army. However, before he could take up his post, Gott was shot down and killed in a plane crash. He was then replaced by Lieutenant General Bernard Montgomery.

Monty's moment comes

Montgomery was not Churchill's first choice to command the Eighth Army – he had a reputation for being difficult to work with. Churchill later remarked about his famous general: "In defeat unbeatable, in victory unbearable." However, Montgomery was extremely confident and immediately set about reorganising the army and improving morale. When he was appointed, he

found his troops "brave but baffled" after two years of gruelling stalemate and defeat. He now made it clear there would be no retreat from the El Alamein line, declaring to his men: "I want to impress on everyone that the bad times are over."

His strategy was relatively simple: to repulse Rommel's next attack and then go on the offensive. Part of his new strategy was to make himself visible to his troops and encourage them. He concluded that: "It seemed to me that the men needed not only a master but a mascot. I deliberately set about fulfilling this requirement." To this end, Montgomery visited every unit possible, explained the situation to them and adopted the black beret of the Royal Tank Regiment – this had the dual effect of making him instantly recognisable and like one of the ordinary soldiers. Consequently, he became a popular commander, and his troops nicknamed him 'Monty'.

Now that he was in command, Montgomery felt it was imperative to have the maximum number of troops and equipment before taking on Rommel. This was at odds with Churchill, who wanted a quick attack before the end of September at the latest, but Montgomery remained insistent. Meanwhile, Rommel was having logistical problems. He was very short of fuel, largely thanks

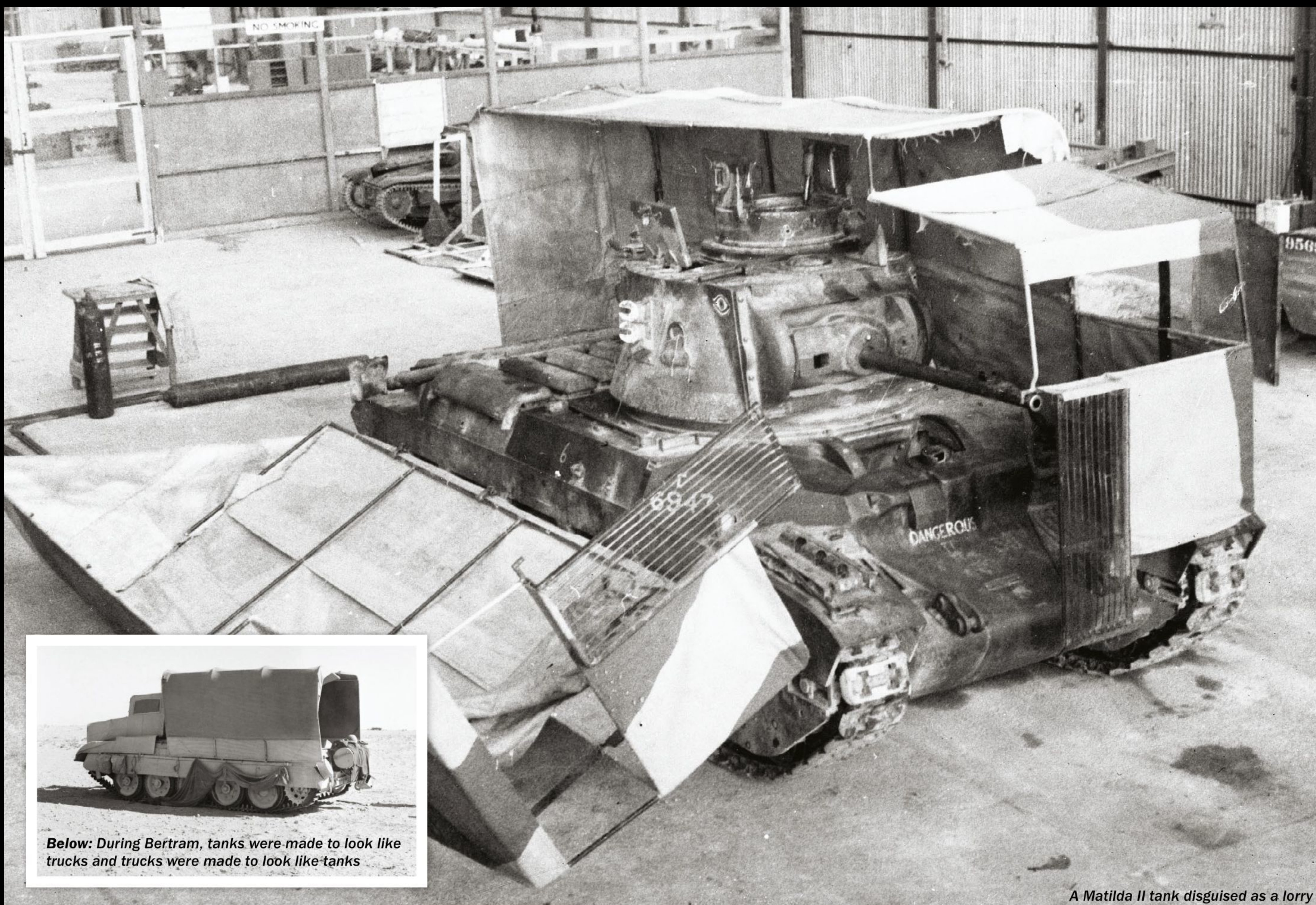
to the British attacking a German fleet of six tankers and ammunition ships. Four of the ships were sunk and two did not reach the Afrika Korps on time. This meant that Rommel was lacking the resources to reach the Suez Canal and would be forced to rely on capturing British fuel dumps. Montgomery took this opportunity to bait Rommel into attempting to take the Alam Halfa ridge beyond the El Alamein line in September. Rommel obliged, and was eventually forced to withdraw after encountering problems with minefields and attacks from the air, as well as tanks from the ridge itself.

By now the Desert Fox was dangerously low on fuel. Axis ports on the Egyptian and Libyan coasts were under constant Allied air attacks and many German supplies had to come all the way from Tripoli more than 1,600 kilometres away. The stress of the campaign was making Rommel ill, and he left to recuperate in Germany on 23 September, leaving strict instructions to strengthen the minefields that covered his positions.

The mines that the Germans laid would become a considerable problem to the Allies – approximately 3 million mines were placed directly in front of the El Alamein line, as well as large entanglements of barbed wire. Montgomery

Scots Guards move forward under the cover of a smoke screen and protected by tanks





A Matilda II tank disguised as a lorry

Below: During Bertram, tanks were made to look like trucks and trucks were made to look like tanks

OPERATION BERTRAM

How Monty's army of illusionists fooled the Germans and secured victory

When Winston Churchill announced the victory of El Alamein to the House of Commons, he stated: "By a marvellous system of camouflage, complete tactical surprise was achieved in the desert."

What he was referring to was an ingenious part of Montgomery's battle plan: Operation Bertram.

Bertram was the largest visual deception campaign of the war. It was an elaborate manoeuvre of real and fake military equipment undertaken by the Camouflage Unit. Formed in 1940, the group consisted of civilian soldiers who were usually artists, sculptors, filmmakers, theatre designers and set painters. It even included the famous magician Jasper Maskelyne. The fake army was largely made out of string, canvas, straw and wood.

Disguised tanks were codenamed 'Sunshields' and disguised guns were known as 'Cannibals'. 722 Sunshields, 360 Cannibals and many more dummy tanks and transport vehicles were constructed in six weeks before the battle started. The tactics for Bertram involved hundreds of

tanks and artillery pieces being moved overnight into combat positions hidden under canvas covers that disguised them as harmless lorries. Decoys were left behind where the real tanks and guns had been. The dummy army was placed largely in the south of the El Alamein line in the weeks before the battle started. There was even a fake water pipeline, with gradual construction that crept southwards. The idea was to fool the German reconnaissance into reporting a large build-up of forces in the south while in reality the attack would be further north.

On the eve of the battle, the unit performed the biggest conjuring trick in history by making 600 tanks 'disappear' and then reappear 80 kilometres to the north disguised as trucks. After the battle, the captured General von Thoma, Rommel's second-in-command, confirmed to Montgomery that the Axis leaders were fooled by Bertram, expecting the attack to come from the south. They had been completely taken aback by the northern offensive. The deception had worked.

"BERTRAM WAS THE LARGEST VISUAL DECEPTION CAMPAIGN OF THE WAR. IT WAS AN ELABORATE MANOEUVRE OF REAL AND FAKE MILITARY EQUIPMENT UNDERTAKEN BY THE CAMOUFLAGE UNIT"



Above: Jasper Maskelyne was a famous magician serving in the Camouflage Unit

SECOND BATTLE OF EL ALAMEIN

23 OCTOBER - 11 NOVEMBER 1942



Devil's
Garden
Minefield

Miteiriya
Ridge

El Alamein

Ruweisat Ridge

Munassib
Depression

Qattara Depression

01 OPERATION LIGHTFOOT
The battle begins on the night of 23-24 October with an Allied offensive consisting of a powerful artillery bombardment. Afterwards, British infantry units open paths in the minefield to allow the armoured divisions to pass through.

02 THE ALLIES GET STUCK
Around 4am on 24 October, dust clouds, hidden mines and fierce Italian resistance slow down the Allied tanks in the minefield. By dawn, many of the minefields have not been cleared, disrupting Montgomery's battle plans.



04 ROMMEL TAKES CHARGE

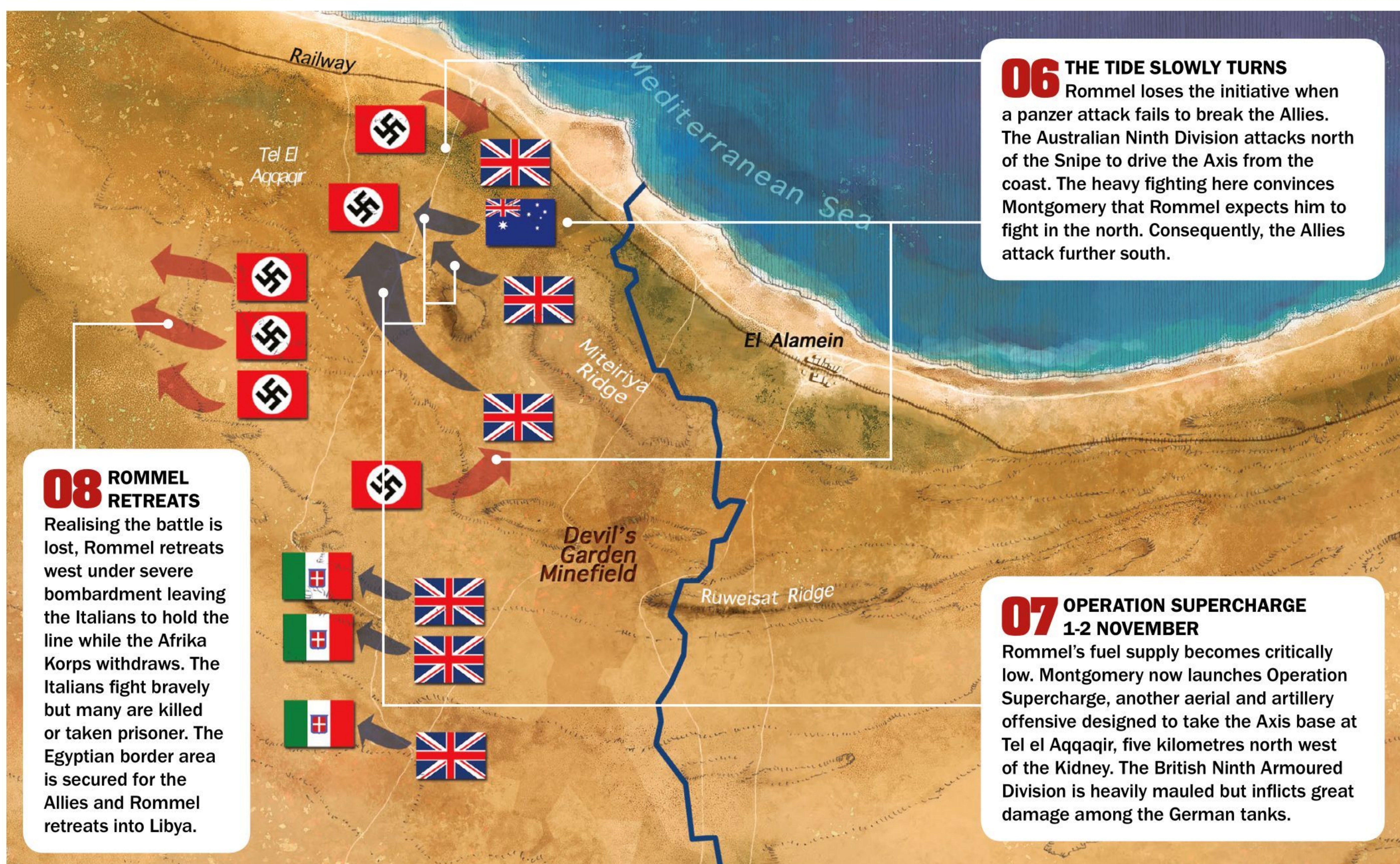
Rommel returns to North Africa after a medical absence. He immediately orders a counterattack on 26 October in the north battle sector. The Australians take the brunt of the assault. In the south, the British fail to take advantage of Rommel's diverted panzers and are stalled by anti-tank fire.

05 FIGHTING AT KIDNEY AND SNIPE

On 26 October, there is fierce fighting at the Snipe, an area of Axis resistance south west of a feature called the Kidney. The Rifle Brigade bravely holds its ground against Rommel's tank regiments. Eventually both sides withdraw from the Snipe in error, believing the other to be near victory.

03 THE 'CRUMBLING'

Between 24 and 25 October, Montgomery pushes forward to scatter Axis forces using heavy bombardment and breaking up their divisions. Panzers attack the 51st Highland Division but are halted. The Desert Air Force makes more than 1,000 sorties. However, brutal infantry and tank battles plus continuing problems with mines slow the Allies' progress.



08 ROMMEL RETREATS

Realising the battle is lost, Rommel retreats west under severe bombardment leaving the Italians to hold the line while the Afrika Korps withdraws. The Italians fight bravely but many are killed or taken prisoner. The Egyptian border area is secured for the Allies and Rommel retreats into Libya.

06 THE TIDE SLOWLY TURNS

Rommel loses the initiative when a panzer attack fails to break the Allies. The Australian Ninth Division attacks north of the Snipe to drive the Axis from the coast. The heavy fighting here convinces Montgomery that Rommel expects him to fight in the north. Consequently, the Allies attack further south.

07 OPERATION SUPERCHARGE 1-2 NOVEMBER

Rommel's fuel supply becomes critically low. Montgomery now launches Operation Supercharge, another aerial and artillery offensive designed to take the Axis base at Tel el Aqqaqir, five kilometres north west of the Kidney. The British Ninth Armoured Division is heavily mauled but inflicts great damage among the German tanks.

ALLIES TAKE CONTROL



The Axis forces engaged at El Alamein lost 30 per cent of its starting strength



Erwin Rommel with his officers. By October 1942, the 'Desert Fox' had pushed the Allies across North Africa and far into Egypt

“NOW THAT HE WAS IN COMMAND, MONTGOMERY FELT IT WAS IMPERATIVE TO HAVE THE MAXIMUM NUMBER OF TROOPS AND EQUIPMENT BEFORE TAKING ON ROMMEL”

could have no hope of outflanking what became known as the ‘Devil’s Garden’ and made preparations for a full-frontal assault over the next month.

Opening shots

By late October, the Eighth Army numbered nearly 200,000 men, including great numbers of soldiers from India, New Zealand, South Africa and, most significantly, Australia. The forthcoming battle was arguably to be the last great pitched fight of the British Empire. In addition to the imperial divisions, there were Free French, Polish and Greek brigades on the Allied side. Montgomery was also well equipped, with

more than 1,000 tanks, 900 artillery pieces and 1,400 anti-tank guns.

The Axis forces looked small by comparison. They had about 116,000 German and Italian soldiers, 540 tanks, 500 artillery pieces and 490 anti-tank guns. Montgomery had good reason to feel confident, and made a rousing speech to his men: “Every soldier must know, before he goes into battle, how the little battle he is to fight fits into the larger picture, and how the success of his fighting will influence the battle as a whole.” This raised the Eighth Army’s morale to a level not seen for a long time. Nevertheless, the coming clash would be no walk in the park, and the Axis forces would show they were a dangerous foe.



On the night of 23-24 October, the Second Battle of El Alamein began with a huge Allied artillery barrage that lasted for more than five hours, first with a general heavy bombardment and then a more systematic shelling of targets. This first phase of the battle was codenamed ‘Operation Lightfoot’, and its intention was to distract Rommel’s troops while Allied infantry and engineers of XXX Corps worked their way through the minefield. They were attempting to create two channels for the British armoured divisions to advance through. It was a painstaking, hazardous process that involved clearing eight kilometres of mines, but was necessary as it meant that many of the mines would not be tripped by the walking troops – hence the name Operation Lightfoot.

At about 4am on 24 October, the armoured X Corps began to enter the middle of the minefield. However, they became hampered by traffic jams, dust clouds created by their own vehicle tracks and many remaining mines. The forward infantry were also under a determined attack by



Though they fought bravely, tens of thousands of Italian soldiers were taken prisoner during and after the battle

the Ariete, Brescia and Folgore Italian brigades. Many of the British tanks suffered punishing losses from anti-tank guns and none of the Allies' original objectives were met.

Ignoring the setbacks, Montgomery held his nerve and commenced the next stage of his attack. After surveying the situation at dawn on 24 October, he ordered the minefield paths to be fully cleared before starting the 'Crumbling' of the Axis defences, which involved a continued heavy bombardment that was designed to break up the enemy divisions. At the same time, the Desert Air Force made more than 1,000 sorties against the Axis forces. A unit of Panzer tanks tried to attack the 51st Highland Division of infantry but were halted. The Afrika Korps also suffered the loss of Commander Georg Stumme when he died of a heart attack en route to assessing the battlefield situation and had to be replaced by General Wilhelm von Thoma.

The Allies were also suffering, as there had been little progress made throughout 24-

"HE CONCLUDED THAT THE ONLY OPTION WAS TO IMMEDIATELY COUNTERATTACK WHILE HE STILL COULD"

25 October against intense tank battles and continuing problems with mines, which were still disabling armoured units. In the heat of this deadlock, Rommel returned to North Africa and assessed the situation. Thanks to Montgomery's 'Crumbling' the Axis had taken heavy losses, with some Italian units taking 50 per cent casualties. In general, his troops were under strain and short on equipment, and the entire army had only a few days of fuel left. He concluded that the only option was to immediately counterattack while he still could, so struck north with Panzer and Italian divisions and forced an Australian battalion back.

By now much of the general fighting was taking place around a hilly feature called the 'Kidney', positioned at the far edge of the Axis minefield. If it could be successfully overrun, then the

Allies would be able to start a general advance. Rommel diverted many of his tanks north of the Kidney for the counterattack, but the British were unable to take advantage of this diversion and were stalled by anti-tank fire. Luckily for the Allies, that day the RAF sunk two German oil tankers at Tobruk, removing the last chance to refuel the Afrika Korps. This incident would hinder Rommel's chances of success.

'Operation Supercharge'

On 27 October, fierce fighting began south west of the Kidney in an area of resistance called the 'Snipe'. The British Rifle Brigade had captured the area and brought up 13 anti-tank guns to defend the position, so Rommel threw the 21st Panzer Division at it.



British armoured units drive through the Devil's Garden. The Axis minefield was a huge hindrance to the Allied advance

A German artillery piece captured by Allied troops



Despite being nearly overrun, the riflemen held their ground, destroying many German and Italian tanks in the process. Eventually the panzers withdrew, but the British were also withdrawn without being replaced, leaving the Snipe unoccupied.

Despite this, and the continuing ferocity of the fighting, the tide was now beginning to slowly turn in the Allies' favour. Between 28 October and 1 November, Montgomery's superiority in men and equipment began to pay dividends. For instance, two panzer divisions combined to make a determined attack on 28 October but were eventually driven back by sustained fire.

Rommel had by now lost the initiative, and from this point would continually be on the back foot in Africa. Montgomery ordered his units in the Snipe area to go on the defensive while he launched an attack further north. The Australian Ninth Division was ordered to attack German positions near the coastal area in order to force them south west. They reached some of their objectives, but encountered great resistance as Rommel threw in a large part of his army to block them.

In the end, the Australian operation was called off, but its actions were of great tactical use to Montgomery. He had observed that Rommel

was committing reserves against the Australians, thereby indicating that he anticipated an Eighth Army offensive in the north. It was decided to launch the new offensive further south. Monty ordered the Australians to re-launch their attack, to distract Rommel while the rest of the Eighth Army regrouped. When the Australians restarted their assault, the Axis counterattack resulted in bloody, hand-to-hand fighting, draining Rommel's resources further. On 2 November, Montgomery launched 'Operation Supercharge'.

Supercharge's aim was to force the enemy out of the minefield and into open ground, destroy its armour, whittle down its fuel supplies even further and take Rommel's defence base at Tel el Aqqaqir, which was three miles north west of the Kidney.

If anything, the Allied aerial, armoured and artillery firepower were more intense than during Operation Lightfoot. Tel el Aqqaqir was bombed from the air for seven hours before four hours of artillery fire. Afterwards, led by New Zealand infantry, Allied tanks advanced towards the German positions and received a hammering from Axis anti-tank guns and panzers. The Ninth Armoured Division suffered particularly, losing 75 per cent of their tanks. At the same time, Axis counterattacks failed when the First Armoured Division joined the remains of the

Ninth Armoured Division and the Afrika Korps were reduced to 35 tanks by the end of 2 November. This fighting became known as the 'Hammering of the Panzers'. On the same day, the Allies finally took the Snipe, and Montgomery made preparations for the final push.

The Desert Fox withdraws

Rommel concluded that the battle was lost and decided to save what he could of his army, despite receiving an order to fight to the end from Hitler. He began a gradual withdrawal, with the Italians doing most of the fighting. On 4 November, the Allies broke out into open desert and punched a hole in Rommel's lines that was 19 kilometres long. The Desert Fox was left with no choice but to order a retreat west. The Italians fought bravely under the circumstances, with the 40th Bologna Regiment not surrendering until they were virtually out of ammunition. Along the hole in the Axis lines, the Allies were attacked by Italian troops. At the same time the vast majority were taken prisoner with some Italian divisions being wiped out entirely.

The Allies pursued Rommel's retreating force for days, attempting to encircle and trap it particularly at Mersa Matruh and Sidi Barrani. These attempts failed, but by 11 November, all Axis troops had

been chased out of Egypt. At this point Montgomery halted his infantry, only allowing some armoured and artillery units to carry on the pursuit in Libya. He wanted to regroup and reinforce his supplies before pushing further forward. Rommel lived to fight another day, but the Afrika Korps was now a hunted army.

The Second Battle of El Alamein was over. At a cost of 13,500 Allied casualties, Montgomery had won a decisive victory that changed the course of the Western War. Rommel's force had suffered badly, losing approximately 37,000 troops, totalling 30 per cent of all Axis forces engaged – they were losses he could ill afford. His army on the Libyan-Egyptian border now only consisted of 5,000 men, 20 tanks and 50 guns. A combined Anglo-American force had also landed at Morocco on 8 November and had Montgomery followed up his pursuit, the Afrika Korps might have been neutralised by the end of 1942.

However, this is not to denigrate the achievement of El Alamein. For the first time since the war began, the British Army had won a decisive battle against the Axis forces, restoring its martial reputation in the process. Montgomery turned into an overnight hero and would spend the rest of the war at the highest echelons of Allied command, much to the discomfort of some American commanders.

In many ways the true significance of El Alamein was psychological. It is true that the reality was a hard-fought success. The main factors that

ensured victory were Montgomery's superior manpower, intelligence and equipment supplies combined with Rommel's numerical inferiority and woeful fuel situation. Had Rommel been better supplied, the final outcome might have been quite different. Some of the most significant actions took place away from the battlefield, such as Rommel's initial absence and the sinking of crucial German oil tankers by the RAF.

Nonetheless, British morale was boosted to a level yet unseen and Churchill ordered church bells to be rung across the country in celebration – many for the first time since 1939. El Alamein also proved to the occasionally sceptical Americans that British and imperial troops were more than capable of defeating Axis armies. By coincidence, the battle was the last time the British fought a large engagement without US co-operation.

For the remainder of 1942, the Afrika Korps was relentlessly chased across Libya, Algeria and Tunisia until they were eventually driven out of North Africa in 1943. This allowed the Allies to invade Sicily, and Italy and provided essential strategic security for preparations to invade France in 1944.

Once the war was over, El Alamein came to be seen as one of the most decisive turning points in the conflict. As Churchill once famously said: "Before Alamein we never had a victory. After Alamein we never had a defeat."



A British soldier gives a 'V for victory' sign to German prisoners captured at El Alamein



Bernard Montgomery watches his tanks move during the battle. 'Monty' reinvigorated the Eighth Army and reorganised its fighting capability

KURSK

THE KURSK SALIENT, SOVIET UNION 5-13 JULY 1943

As the German invasion of the Soviet Union stalled, two mechanised heavyweights came face to face in the largest clash of armour the world has ever seen

WORDS WILL LAWRENCE

The last major German offensive on the Eastern Front, 1943's Operation Citadel saw Hitler launch a colossal attack on the Kursk salient, or bulge. It was a move that he believed would provide a victory so bright it would "shine like a beacon around the world." This was a battle of the elite, with both German and Soviet armies near their apex in terms of skill and weaponry, hardened by two years of unrelenting warfare.

The Germans, though depleted in manpower, were, for the first time since the invasion of the Soviet Union in 1941, fielding qualitative superiority in terms of armour with the formidable Tiger I tanks


and new Panthers. These outstripped the Soviet T-34 Model 43s, which had in the intervening years, with their sloped armour and 76.2mm gun, proved masters of the battlefield.

The Red Army, meanwhile, was a very different beast from that which had faced the German invasion during Operation Barbarossa two years earlier. At the beginning of 1943, more than 16 million men were under arms, supported by a vast number of artillery pieces. Stalin claimed that "artillery is the god of war," and by 1943, the Red Army boasted the largest and most effective artillery divisions in the world. It also had somewhere approaching 10,000 tanks.

At Kursk, these two heavily mechanised forces came together in an enclosed theatre of operations, like two mighty pugilists meeting for a final championship bout. The result was a watershed. "Stalingrad was the end of the beginning," said Winston Churchill, "but the Battle of Kursk was the beginning of the end."

The German plan was to launch a double envelopment against the Kursk salient using Army Group Centre in the north, specifically Colonel-General Model's Ninth Army, while Army Group South battered the southern section with Army Detachment Kempf and Colonel-General Hoth's formidable Fourth Panzer Army. This was an awe-



A black and white photograph capturing a moment of anticipation in a trench. In the foreground, the earthen walls of a trench frame the scene. Several Soviet soldiers, wearing dark uniforms and ushanka hats, are positioned within the trench, looking upwards. Above them, a T-34 tank is crossing the trench, its large, treaded wheels dominating the upper half of the frame. The tank's tracks and the texture of its armor are clearly visible. The lighting is dramatic, with strong highlights on the tank's wheels and the trench's edges, and deep shadows within the trench and under the tank's hull.

*Soviet soldiers wait as a
T-34 crosses a trench*

**“IN FACT, THE GERMAN
HIGH COMMAND WAS USING
SIMILAR TACTICS TO THOSE
EMPLOYED BY MONTGOMERY
AT EL ALAMEIN”**

inspiring demonstration of German strength, with 2,700 tanks and assault guns taking to the field.

For Stalin and his senior army commanders, Marshals Zhukov and Vasilevsky, the plan was to launch a massive offensive by first wearing down the mobile German forces in a battle-slog around the Kursk sector. They would use three Fronts (the Soviet equivalent of an Army Group) – Central Front, Voronezh Front and the reserve Steppe Front – to grind down German mechanised forces and thereby leave their territories vulnerable to huge counter-offensives.

In his bid to snare the German armour, Stalin ordered the transformation of the region into what historian and Kursk expert Dennis E Showalter believes to be “the most formidable large-scale defensive system in the history of warfare”: a triple-ringed matrix absorbing almost 1 million men, 20,000 guns and mortars, 300 rocket launchers and 3,300 tanks. Russian engineers uncoiled more than 500 miles of barbed wire and lay almost 650,000 mines. The Germans’ only chance, says Showalter, was the might of the steel-headed sledgehammer they eventually swung in July.

That blow came on 5 July, after several days of preliminaries involving the German and Soviet air

forces and the roar of countless heavy guns. Tank armadas were suddenly on the move, with the Germans committing squadrons of 100 and in some cases 200 machines or more, with a score of Tiger Is and Ferdinand assault guns in the vanguard. Groups of 50 or so medium tanks came next and then floods of infantry, protected by this armoured screen, moved in behind.

These German armoured wedges were known as ‘Panzerkeil’ and, according to the late historian Alan Clark, amount to a rejection of the traditional principles of the panzer army. In fact, the German high command was using similar tactics to those employed by Montgomery at El Alamein, with the difference here that the defenders’ armour was at numerical parity with the attackers’, or greater, and their defensive organisation meant that many of their tanks were held in reserve. This proved decisive during the mighty clash at Prokhorovka.

As 5 July unfolded, Colonel-General Model in the north committed more than 500 armoured vehicles from his Ninth Army to the attack in a series of staggered bursts, but so violent was the Soviet resistance that about half of these were out of action by the day’s end. Part of the problem stemmed from the committing of both battalions

of the Porsche-built Ferdinands to the attack. These were formidable machines, also known as ‘elephants’, were designed for tank-busting and the destruction of large anti-tank guns. Their 200mm-thick armour provided them with ample protection from static gun positions. Their enormous 88mm cannons, meanwhile, picked off Russian T-34s before they even had chance to come within range.

However, the Ferdinands became separated from the lighter tanks and infantry they needed for close-range support. With their static hulls and lack of machine guns, they proved sitting ducks for Soviet infantry units, who boarded them while they were on the move and squirted flamethrowers over the engine ventilation slats. The Ferdinands, however, ploughed through the first line of Soviet defences, allowing the infantry to follow them into the breach, but more than half these beasts of war were lost.

The morning of 5 July also saw the Fourth Panzer Army launch its main offensive thrust in the south, moving along a 30-mile front. According to Kursk expert Mark Healey, 700 tanks and assault guns smashed their huge metal fist into the face of the Soviet Sixth Guards Army on the Voronezh Front, but the Russian defences were so tightly entrenched that the German attack stalled.

“THEY PROVED SITTING DUCKS FOR SOVIET INFANTRY UNITS, WHO BOARDED THEM WHILE THEY WERE ON THE MOVE AND SQUIRTED FLAMETHROWERS OVER THE ENGINE VENTILATION SLATS”

German heavy armour crosses a Soviet defensive ditch near Belgorod



Eventually, the Luftwaffe's aerial superiority began to take effect and the Fourth Panzer managed to split the Sixth Guards Army in two.

The fighting in both the north and south of the salient was ferocious, and within 12 hours both sides were feeding the fires that raged across the battle for Kursk. Swathes of ground-attack aircraft strafed the battlefields. The armour continued to mass and move "on a scale unlike anything seen elsewhere in the war," according to the eminent historian John Erickson.

The Soviet tank armies responded to the German assault by moving up into their primary defensive positions and somewhere approaching 7,000 tanks were steadily drawn into this immense clash of steel, leaving an ever-growing number of dying hulls smoking on the battlefields. A Russian communiqué claimed that on the first day of battle, 586 German panzers were destroyed or disabled.

The second day of Citadel, 6 July, was heavily overcast and rain hampered both sides throughout. Along the northern sections of the Kursk salient, the Soviets launched a dawn counterattack with General Rokossovsky's Central Front enjoying temporary success, until a force of 250 panzers with infantry moving in its wake halted them in their tracks. Throughout the day, Central Front and the Ninth Army were locked in perpetual struggle.

The German offensive rolled on, with Model aiming for the village of Olkhovatka as a prime strategic objective. This high ground provided control over the eastern, southern and western section of his field of operations. The Soviets had already identified this region as strategically vital, and in the weeks running up to Citadel's launch, had transformed it into one of the strongest sections of the defensive belt. The German Panzerkeil, with the Tigers to the fore, thrust ahead, and by noon on 6 July the Germans had no fewer than 1,000 tanks committed to a six-mile front between the villages of Soborovka and Ponyri.

The Russian defences again proved too strong. Time and time again, Model's Panzer Corps ran into trouble. Unperturbed, he tried again on 7 and 8 July, redeploying huge swathes of aircraft in a bid to penetrate the Soviet resistance. The Soviets were just too well dug in, however, and the German attack ground to a halt once more. "The wrack of shattered panzers marking Ninth Army's advance," writes Healey, bear "mute testament to fact that the momentum of Model's offensive was already beginning to decay."

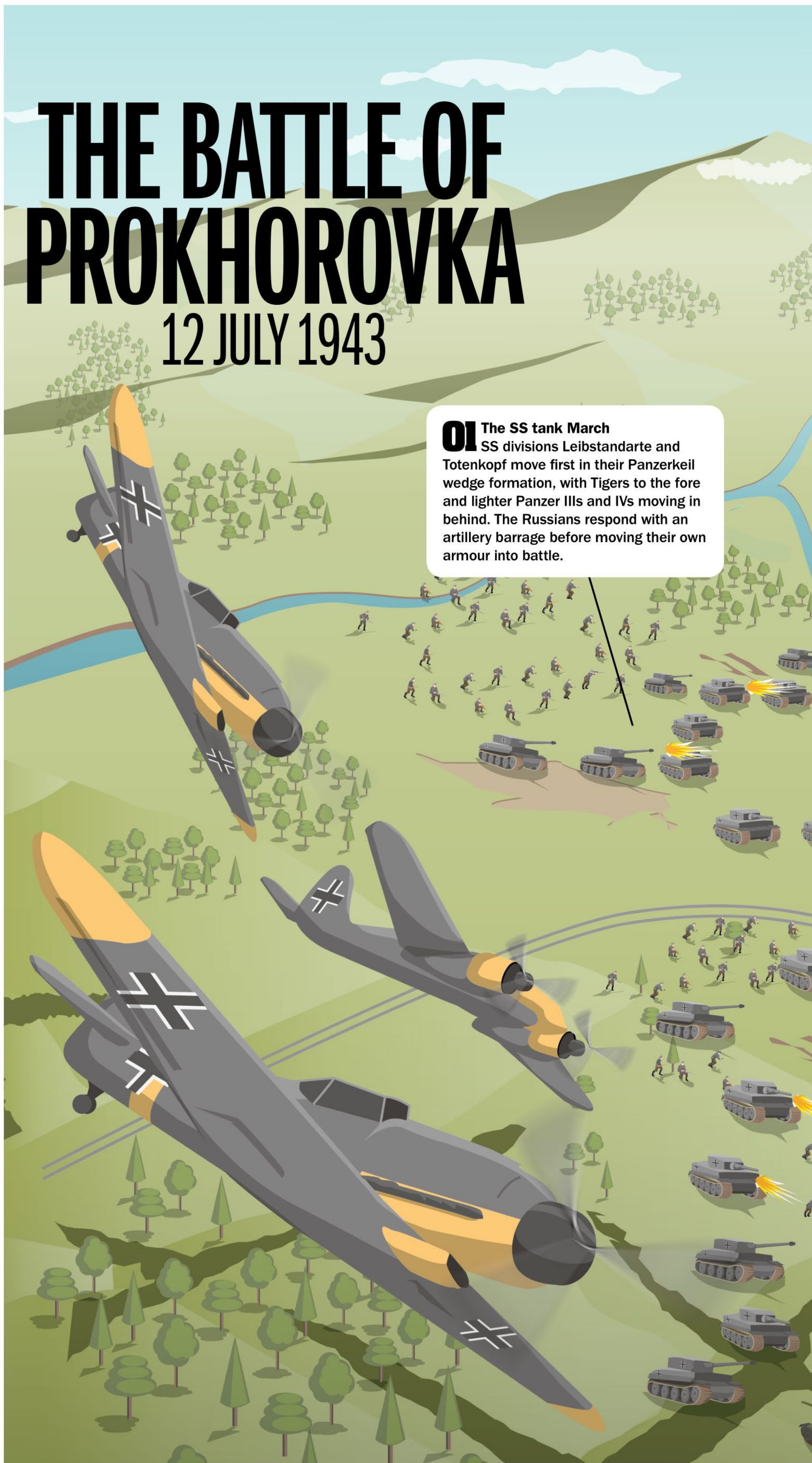
Meanwhile, along the southern stretch of the Kursk salient, the second day of Citadel's operations looked promising for the Germans. The elite section of Hoth's Fourth Panzer Army, II SS Panzer Corps, had already bitten into the first line of Soviet defence and looked set to devour the second line on the morning of 6 July.

General Vatutin, commanding the Voronezh Front, suggested an immediate counterattack,

THE BATTLE OF PROKHOROVKA

12 JULY 1943

01 The SS tank March
SS divisions Leibstandarte and Totenkopf move first in their Panzerkeil wedge formation, with Tigers to the fore and lighter Panzer IIIs and IVs moving in behind. The Russians respond with an artillery barrage before moving their own armour into battle.



03 The iron fists clash

Both Leibstandarte and Totenkopf are drawn into close-quarters combat, and confusion reigns. Individual tank battles are the order of the day and hundreds of tanks are disabled by direct hits to the weaker side armour. It is said that some burning T-34s ram their German adversaries.

04 Soviet flank attacks

Several corps from the Fifth Guards Army engage Totenkopf's left flank. Though seen as a tank battle, infantry units fight ferociously at Prokhorovka, with Russian anti-tank rifles in particular used to maximum effect. Preventing Totenkopf from commanding the position north of Prokhorovka is vital to halting the German advance.

02 The Soviet armour engages

The Soviet Fifth Guards Tank Army moves out to counter the German advance as quickly as possible, bidding to get into close combat and therefore minimise the efficacy of the Germans' longer-range guns. The Luftwaffe continues its support, outfighting the Soviets in the air.

05 The southern edge

South of Prokhorovka, a tough corps from the Fifth Guards Tank Army engages the SS Das Reich division, forcing the Germans to adopt a mostly defensive position on the right flank. The Soviets are keen to ensure that potential support arriving in the form of the approaching III Panzer Corps does not reach the field.



but was swiftly deflected by a senior officer who highlighted the destruction caused by the Tigers' and Panthers' large turret guns with their far superior range. Digging in their T-34s and preparing a wall of defensive fire would serve them better, he argued.

Still, with help from the Luftwaffe, the German armour rammed through the Russian defence and by the end of 6 July, the SS Panzer Corps was wreaking havoc amid the second Soviet defensive line. The following day was cold and the two sides fought in the descending mist, with the Germans pushing steadily on towards the small town of Oboyan, which defended Kursk from the south.

Early in the morning on 7 July, 400 panzers supported by armoured infantry and airpower crashed onto the First Tank Army of the Voronezh Front, which wavered under the onslaught. By 10 July, members of Hoth's XLVIII Panzer Corps seized Hill 244.8, which stood as the most northerly point taken by the Germans in their bid to reach Kursk. SS Panzer Corps, meanwhile, fought a path through the Soviet defensive line and regrouped to direct a major assault against Prokhorovka, which, if successful, looked set to smash Soviet resistance in the south.

Back on the northern face of the salient, Model continued his bid to take the village of Ponyri and

fierce hand-to-hand fighting erupted, earning Ponyri the name of 'Stalingrad of the Kursk'. The two sides fought to a bitter standstill. On the night of 10 July, Model committed his last reserves to the fray, and although by 12 July his divisions held most of the village, the Russian defence was too robust and the Ninth Army couldn't effect a full breakthrough. When the Germans received intelligence suggesting a major Soviet offensive was set to launch against the Orel bulge, Army Group Centre pulled sections of the Ninth Army away from the action and Model's attack halted.

Come the night of 11 July, and although the Germans were eroding the Soviet position in the south, Stalin and his generals couldn't fail to feel confident. Model's position, hemmed in at Ponyri, left them free to move their armoured reserve, the Fifth Guards Tank Army of the Steppe Front, against Hoth's divisions in the salient's southern section.

With Stalin realising that a final battle was set to unfold, the Fifth Guards Tank Army was placed under the command of General Vatutin on the Voronezh Front, a move that led to what is widely regarded as Kursk's defining moment, the mighty tank battle at Prokhorovka.

"All the elements of myth were at hand," Showalter says of this imminent clash of armour.

"Prokhorovka offered a head-on, stand-up grapple between the elite troops of the world's best armies on a three-mile front under conditions that left no room for fancy manoeuvres or for air and artillery to make much difference."

The German II SS Panzer Corps, incorporating the panzer grenadier divisions 'Leibstandarte', 'Das Reich' and 'Totenkopf', was pitted against the Fifth Guards Tank Army. These elite troops met as both went on the attack, "an encounter battle in the literal sense, suggesting predators in rut." Other Soviet units also took to the field, including divisions of the Fifth Guards Army, as well as sections of the First Tank Army and Sixth Guards Army.

Colonel-General Hoth of the German Fourth Panzer Army, his armour having penetrated the Russian defensive line, was keen to push on before "a defensive scab could form over the thin membrane exposed in the remaining Russian defences," as Clark writes,

At the same time, divisions from the III Panzer Corps, part of Army Detachment Kempf, were moving northward to join II SS Panzer Corps, provoking the Soviets to engage Hoth's forces post-haste. Aware that the German Tigers and Panthers had a longer range than their T-34s, the Soviets bid to move into close combat.

They grossly overestimated the quality of German tanks on this battlefield, according to Kursk historian Lloyd Clark, who claims that the Germans fielded no Panthers or Ferdinands at Prokhorovka, and that II SS Panzer Corps had just 15 Tigers – ten with Totenkopf, four with Leibstandarte and just a solitary giant with Das Reich. Other historians disagree.

Whatever the truth, Leibstandarte, Das Reich and Totenkopf moved in to attack and the great Battle of Prokhorovka began beneath leaden skies, warm and humid, which unleashed rain and peels of thunder as the day wore on. The Germans fielded approximately 600 tanks and assault guns, the Russians 900. Hostilities erupted early on 12 July and the inferno blazed all day. The Luftwaffe flew sorties overhead, and the Germans maintained air superiority throughout the battle, though this counted for little in the end.

SS divisions Leibstandarte and Totenkopf moved first in wedge formation, their Tigers in the vanguard, stopping to unload their mighty 88mm shells before moving onward. At about 0830, the

Soviet lines unleashed a 15-minute artillery barrage before the Fifth Guards Tank Army rolled towards the tide of panzers, bidding to get into close-quarters combat.

Before long, scores of tanks were churning up the battlefield in individual engagements. Up close, the tanks' thinner side armour was more easily penetrated. Thick smoke from the blazing hulls drifted across the battlefield, making gunnery all the more troublesome. The SS Panzer Corps maintained the pressure throughout the day and the Germans tried desperately to bring III Panzer Corps from Army Detachment Kempf into play. If these machines could enter the battle, it may well have turned the advantage firmly in the Germans' favour. III Panzer, however, couldn't break through in time and the SS had to fight for Prokhorovka with no further ground support.

Historians talk of a last surge by Leibstandarte and Das Reich aimed at breaking the Soviet lines on the battlefield's western edge, but Fifth Guards Tank Army's Lieutenant-General Rotmistrov engaged his final reserves and the tanks clashed

head-on once more, darkening the sky with smoke and dust. The fierce fighting continued well into the night but the Soviets had done their job – they had stopped the German advance.

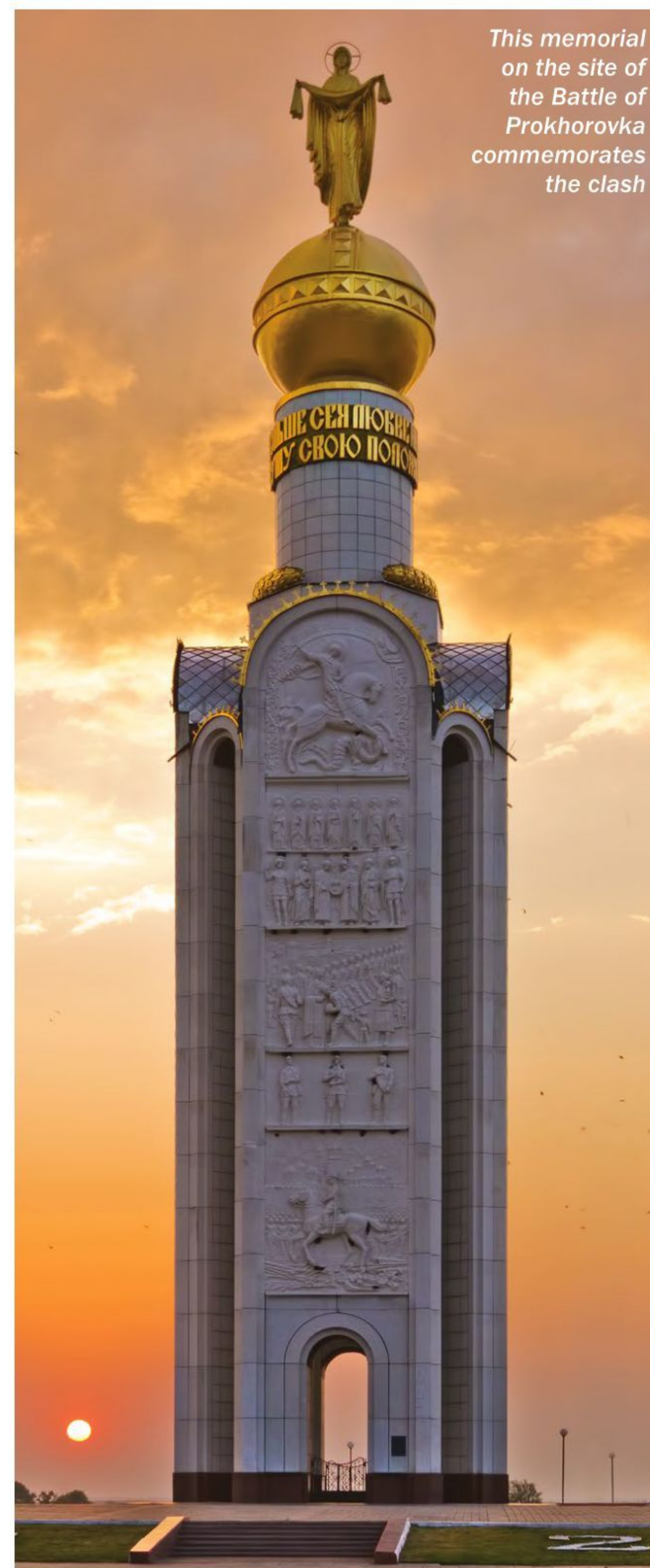
It is estimated that more than half of the Fifth Guards Tank Army's machines were destroyed. "The Waffen SS won a tactical victory on 12 July," writes Showalter. "Prokhorovka was not a Tiger graveyard but a T-34 junkyard. Operationally, however, the palm rests with the Red Army." Prokhorovka bled the German military machine dry. About 300 panzers lay abandoned on the battlefield, and though some may have been salvaged, the field remained in Soviet hands.

Between 13-15 July, SS Panzer Corps continued to make sorties against the Russian defences but in reality it was all over. Hitler called off Operation Citadel on 13 July as the Russians launched a massive offensive, Operation Kutuzov, aimed at Army Group Centre along the Orel salient. The Battle of Kursk ceded the initiative to the Red Army, which then rolled on towards Berlin. For Hitler and the Wehrmacht, defeat was edging ever closer.

Soviet soldiers fire on Germans during the Battle of Kursk



This memorial on the site of the Battle of Prokhorovka commemorates the clash



Images: Alamy, Ed Crooks, Rex Features

ALLIES TAKE CONTROL

BATTLE OF MONTE CASSINO

ITALY 11 JANUARY - 18 MAY 1944

A small Italian town held the key to the advance on Rome, and the Germans were not about to give it up without a fight

WORDS DAVID SMITH



A British Bofors 40mm anti-aircraft gun amid the ruins of Cassino

Following the collapse of the German position in North Africa, in May 1943, the Allies were faced with a dilemma. An invasion of France was not yet a realistic proposition, but the fight had to be taken to continental Europe somehow.

A compromise was reached between the British and Americans: Italy would offer a convenient route into Europe, being just a short hop across the Mediterranean. There was an idea that Italy was in some way the 'soft underbelly' of Hitler's Europe and that notion was not outlandish while the country was held by Italian troops.

The initial landing at Sicily was badly managed and around 100,000 German and Italian troops escaped. However, the fall of Mussolini's regime in July led the Italians to open negotiations with the Allies. A race ensued, one that the Allies mishandled. While they dithered, the Germans poured more troops into Italy. The stage was set for some of the hardest fighting of the entire war.

The German strategy was to force the Allies to fight for every inch, while staging organised withdrawals to a series of defensive lines. The most formidable of these, the Gustav Line, was to be held with even greater determination.

The most obvious route to Rome was along Route 6, the Via Casilina, which cut through the narrow Liri valley. To break through into the valley, however, the Allies had to get past two formidable 'gateposts', Monte Maio and Monte Cassino. Cassino would be the scene of fighting that some compared to the worst experienced in World War I. Four separate attempts, spanning 129 days, would be made to wrest the strategic town from the Germans' control.



German troops turn the ruined town into a defensive strongpoint

On the night of 11-12 January 1944, the first battle opened. Men of the French Expeditionary Corps (Moroccans and Algerians under Marshal Alphonse Juin) attacked to the north and made good progress. Juin, in fact, was convinced after six days of fighting that if he was reinforced he could break through into the Liri valley and unpick the entire Gustav Line.

General Mark Clark, commanding the US Fifth Army, was unimpressed and instead pressed on with his original plan. British X Corps units

crossed the Carigliano River close to the coast, but were met by a fierce counterattack as soon as they reached the opposite bank. The German 94th Division, reinforced by tanks, held firm and were helped when further British crossings were foiled by bad weather and a swollen river.

Clark then chose to press ahead with the third phase of his attack, unleashing the US 36th Division across the Gari River, but this was a disaster, with half of the men who managed to get over the river either killed, wounded or captured.

Still, the First Battle of Monte Cassino lurched on. Partly to distract from the major Allied landings at Anzio on 22 January, Clark probed further north with the men of Juin's FEC and the US 34th Division. Little impact was made on the German defences (although men of the 34th Division came agonisingly close to the walls of the ancient monastery atop Monte Cassino) and the first battle fizzled out.

The landings at Anzio were a complete success and ought to have undermined the entire Gustav Line, but the commander of US VI Corps, General John P Lucas, was overly cautious and frittered away his advantage, eventually getting bogged down as German forces responded to his surprise arrival. A great opportunity had been lost, and Cassino would need to be attacked again.

More troops had been made available, with the shifting over of three divisions from the British Eighth Army. The 2nd New Zealand, 78th British and 4th Indian Divisions were grouped into II NZ Corps, under the command of General Bernard Freyberg. These men would fight the Second Battle of Monte Cassino.

It would kick off with one of the most controversial episodes of the campaign. The monastery on top of the hill was considered of vital cultural importance and the Germans

The battered town under another bombardment during the repeated Allied assaults





German fallschirmjäger (paratroop) units offered tough opposition to the Allied forces



The shattered remnants of the monastery after repeated Allied bombardment



assured the Allies that they had not and would not occupy it. Clark took them at their word, but Freyberg was unconvinced. Feeling sure the Germans would have placed units in the monastery, he insisted that it be destroyed by aerial bombardment, on 15 February, prior to his assault. The Germans, in fact, had been telling the truth, but after the monastery had been flattened by waves of heavy bombers (at a cost of around a hundred civilian lives), they no longer felt obliged to respect what was now a pile of rubble. The ruins of the monastery became a formidable defensive position and the German General

Fridolin von Senger summed up the situation when he commented: "The bombing had the opposite effect to what was intended. Now we would occupy the abbey without scruple, especially as ruins are better for defence than intact buildings."

Marshal Juin, commander of the FEC, still had hopes of breaking through into the Liri valley and asked for II NZ Corps to join with his forces, but Clark again demurred. The subsequent attack of the mixed New Zealand-Indian-British corps faltered and then failed as it proved impossible to bring its full weight to bear on the German defences. The Second Battle of Monte Cassino was another failure.

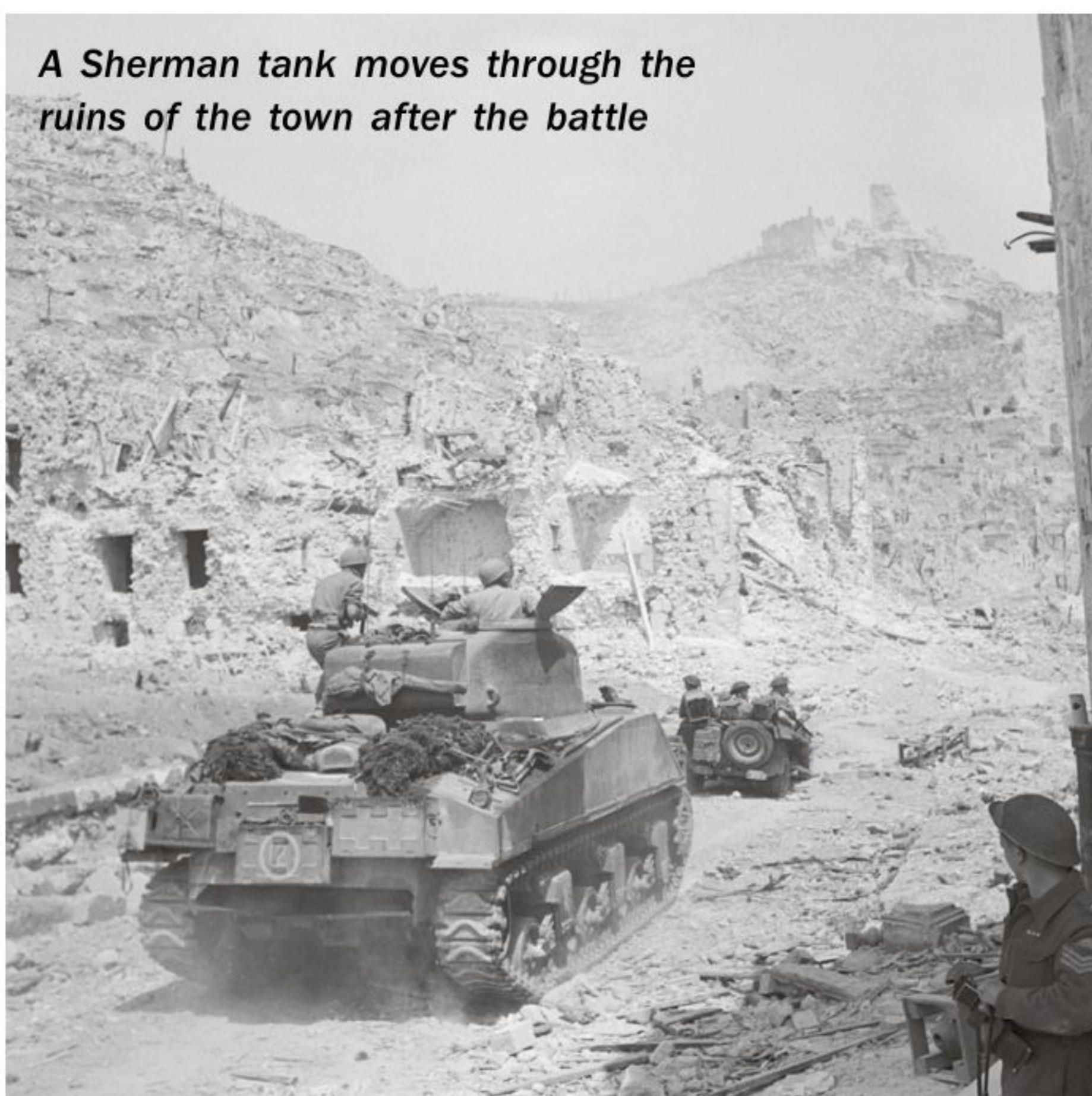
By now it was clear that a more concerted effort was needed to crack the German position. The decision was taken to bring in yet more men and await better weather in May, enabling the Allies to make better use of tanks. To fill the pause, however, and to ensure the Germans kept their attention on the Gustav Line while plans for Operation Overlord were completed, a third assault was improvised.

Operation Dickens, which spawned the Third Battle of Monte Cassino, was therefore little more than a placeholder. Starting on 15 March, it again opened with a massive aerial bombardment, this time hitting the entire town. General Freyberg had once more insisted on this display of aerial power, but the 600 Allied bombers failed to achieve much of anything.

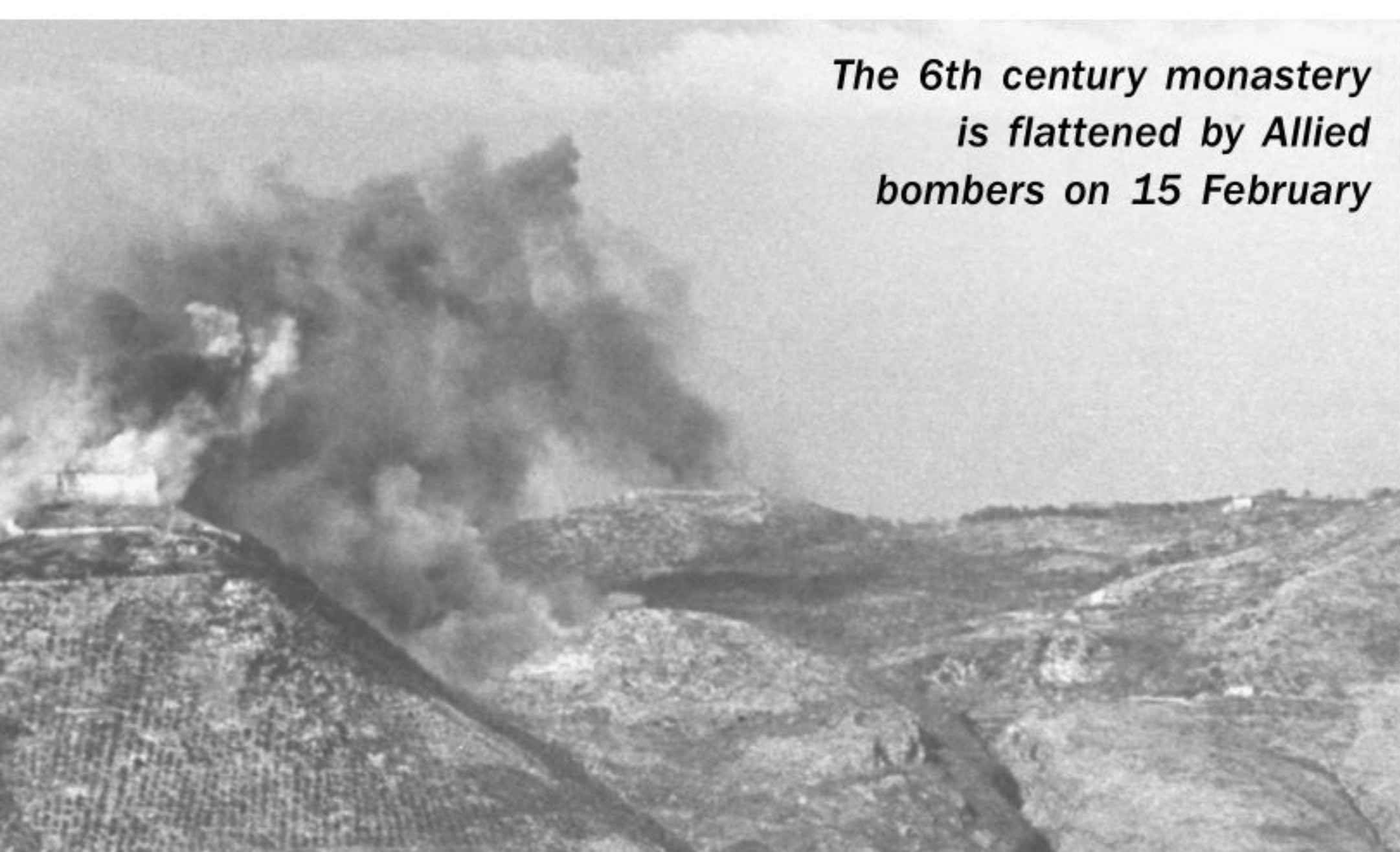
A three-hour artillery bombardment after the bombing presented the Germans with yet more defensible piles of rubble, and although they were living through hellish conditions, their morale remained unbroken. Taking cover in cellars, which sometimes became tombs, the Germans were mostly able to scramble out of their improvised shelters in time to meet their advancing foe.

When Allied tanks attempted to roll into Cassino, once the guns had fallen silent, they found progress agonisingly slow because the roads were all blocked. A single German Panzer IV, well sited and under cover, knocked out one Sherman tank after another as they attempted to pick their way through the debris. Bulldozers were

A Sherman tank moves through the ruins of the town after the battle



"OPERATION DIADEM PROMISED TO FINALLY END THE STALEMATE. THIS WAS TO BE ON A COMPLETELY DIFFERENT SCALE TO THE FIRST THREE BATTLES WITH 108 BATTALIONS AND 2,000 TANKS"



The 6th century monastery is flattened by Allied bombers on 15 February

LOST IN TRANSLATION

A misunderstood radio intercept may have sealed the fate of Cassino's ancient monastery

The destruction of the monastery at Monte Cassino was widely condemned at the time, and new evidence suggests it may have been the product of a simple misunderstanding. There was no appetite for destroying such an important building, but under the pressure and harsh realities of war, where men's lives had to be balanced against the value of a building, difficult decisions were made.

There was suspicion that even if the Germans did not have fighting units in the building, they at least had artillery spotters. The commanding elevation of the monastery made it a prime location for spotters, and German artillery fire was extremely accurate.

General Bernard Freyberg worked hard to convince General Mark Clark to bomb the ancient building, and he was clearly persuasive, but a badly translated intercept may have factored in to the final decision. A German

Polish troops move into the ruins of the monastery atop Monte Cassino



paratroop officer was heard to ask: "Ist Abt in Kloster?" This was taken to mean, "Is the battalion in the abbey?", with 'Abt' being interpreted as an abbreviation for 'Abteilung'. Instead, the officer had been inquiring on the whereabouts of the Abbot. It is possible this provided enough of a pretext to justify the bombing of the monastery, but there is debate over how such flimsy evidence could have turned the tide of the argument.

Clark himself believed the decision was wrong and freely criticised it after the war, calling it a "tactical military mistake of the first magnitude", while conveniently forgetting that the final decision had been his.



An American anti-tank gun, pictured during the fighting around Cassino

called up to clear the way, but they came under heavy fire themselves and when the rains returned the battle became a brutal slogging match.

The town was gradually occupied, however, tank attacks then failed badly due to poor planning. Advancing without infantry support, the tanks

were massacred and the assault was called off. Operation Diadem promised to finally end the stalemate. This was to be on a completely different scale to the first three battles, with 108 battalions and 2,000 tanks attacking on a 20-mile front. As if the Allied forces ranged against the

Germans were not already cosmopolitan enough, a corps of Polish troops arrived and was given the task of taking the monastery, the symbol of the entire struggle.

At 11pm on the night of 11 May, 1,600 artillery pieces opened fire for 40 minutes before the massive assault began. Men of the 8th Indian Division found their crossing of the Rapido River to be a deadly undertaking. The canvas boats employed had been stored for extended periods and had been weakened by insect infestation. Many men drowned as their riddled boats sank during the crossing.

The weight of the attack, however, was irresistible. By 16 May, British tanks had found their way to the Via Casilina beyond Cassino and the German position was no longer tenable. German troops began to pull out under cover of darkness that night and on 18 May, II Polish Corps took possession of the devastated monastery on top of Monte Cassino.

The four battles had exacted a terrible price on the Allies. Not only had they been held up in their advance on Rome, they had taken around 50,000 casualties. German losses were less than half that, and they had managed to once more withdraw in good order.

On 25 May, US VI Corps finally broke out from its Anzio beachhead and linked up with Clark's Fifth Army. Faced with the choice of bottling up the retreating Germans or grabbing headlines by liberating the Eternal City, Clark chose glory and rushed into Rome.

The Germans were able to fall back to yet more defensive positions, in the Gothic Line. They would not finally surrender until 2 May 1945.

OPERATION OVERLORD

NORTHERN FRANCE 6 JUNE – 30 AUGUST 1944

The establishment of the second front in Western Europe hastened the end of Nazi Germany and World War II in Europe

WORDS MIKE HASKEW



Adolf Hitler boasted that the Atlantic Wall, a string of fortifications stretching from the North Sea to the French frontier with Spain, was impregnable. Nevertheless, Allied commanders knew that the establishment of a second front in Western Europe was a prerequisite to the final defeat of Nazi Germany in World War II.

Since the summer of 1941, Soviet Premier Joseph Stalin had clamoured for a second front. His Red Army had borne the brunt of the ground war against the Nazis. However, the United States and Great Britain were not militarily prepared to launch such an endeavour until mid-1944. Dubbed

Operation Overlord, the long-awaited invasion occurred on D-Day, 6 June, along an 80-kilometre stretch of coastline in French Normandy.

When finally unleashed after a weather delay, Operation Overlord involved more than 150,000 troops, nearly 7,000 ships and 4,100 aircraft. In the early morning, Allied soldiers stormed ashore on five invasion beaches. From east to west, the British Third Division assaulted Sword Beach, the 50th Division Gold Beach, the Canadian Third Division Juno Beach, and elements of the American First and 29th Divisions Omaha and the Fourth Division Utah beaches respectively.

American General Dwight D Eisenhower led the senior Allied command structure, while his

immediate subordinates were British. Air Chief Marshal Sir Arthur Tedder was deputy supreme commander; Admiral Bertram Ramsay led the seaborne effort; Air Chief Marshal Trafford Leigh-Mallory the air; and General Bernard Law Montgomery the ground forces. American General Omar N Bradley commanded the US First Army under Montgomery, and General Miles Dempsey led the British Second Army.

The Allies knew that Operation Overlord was fraught with risk. The assault troops had to force a lodgment on the Norman coast and not only defend against certain German counterattacks from elements of Army Group B under the resourceful Field Marshal Erwin Rommel, but also

BOYS OF POINTE DU HOC

US Army Rangers scaled cliffs on D-Day to attack German gun emplacements that threatened the invasion beaches

Among the daring exploits of D-Day, a detachment of 225 US Army Rangers of the Second Battalion scaled the cliffs at Pointe du Hoc, west of Omaha Beach. Their objective was a German battery believed to house six 155mm howitzers capable of delivering devastating fire against either Omaha or Utah Beach.

Led by Lieutenant Colonel James Rudder, the Rangers were to silence the guns after climbing the promontory while under enemy fire. On paper, it looked like a suicide run. But the Rangers were equal to the task. They planned to use grappling hooks on ropes fired toward the summit and then work their

way hand over hand to the top. They also borrowed ladders from the London Fire Brigade for the task.

Once in position, the Rangers found that most of their ropes were soaked. With the added weight the catapults failed to reach the desired height. Undeterred, the Rangers won the crest and drove the Germans off only to discover that the guns had been removed. Five of them were later located in an apple orchard and destroyed with thermite grenades.

The Rangers stood their ground, fighting off several counterattacks until relieved on 8 June. Of those engaged, only 90 remained unscathed.



After the capture of Pointe du Hoc, German prisoners march into captivity near the command post of Lieutenant Colonel James Rudder



American soldiers crouch behind the gunwales of a landing craft as they approach Omaha Beach on D-Day

somehow rapidly expand the beachhead inland. The naval forces would be subject to attack from enemy submarines and air assets in the relative confinement of the English Channel.

Still, the riskiest proposition of Overlord was the predawn insertion of three airborne divisions, parachuting or gliding into the countryside to secure the flanks of the landings, holding vital bridges and causeway exits, disrupting communications, and standing fast until relieved with a linkup of advancing troops off the beaches. The American 82nd and 101st Airborne Divisions came down widely dispersed in the west, while the British Sixth Airborne's glider landings occurred on the eastern flank. Casualties were expected to run high, but Eisenhower deemed the operation worthwhile. In the end, the airborne forces performed with great distinction.

At about 11.30pm on 5 June, the invasion armada set sail for Normandy. Soon after, transport aircraft took to the sky carrying the airborne contingent. It was hoped that naval bombardment and frequent air raids against German defensive positions and infrastructure had paved the way for a successful landing and a push inland that would secure vital objectives and close gaps between the beaches swiftly.

At first light, Allied troops stormed ashore in Normandy. On Sword Beach, the British fought

their way inland to capture the German defensive position at La Breche and reached the outskirts of Ouistreham. At Gold, the British seized Port-en-Bessin, six kilometres inland. Heavy seas hampered the landing of reinforcements and the movement of supporting tanks, and though their beachhead was secure, the British failed to take the transport and communications centre of Caen, a primary D-Day objective.

At Juno, the Canadians faced intense opposition and fought for two hours to dislodge defenders along the shoreline. Eventually, the Canadians linked up with the British from Gold Beach, but a gap still remained between Gold and Sword. The Allies were actually aided by the ineptitude of the German response. The bulk of their armoured divisions were held in reserve to be released only on Hitler's personal order. Therefore, the German 21st Panzer Division mounted the only substantial counterattack of the day, driving between Sword and Gold beaches all the way to the coast. However, there were no reinforcements to exploit the gain and the Germans were compelled to withdraw.

The American landings at Utah Beach went fortuitously awry. The Fourth Division actually came ashore in the wrong place, but assistant division commander General Theodore Roosevelt Jr proclaimed, "We'll start the war from here!" Within

just a few hours, the Americans were plunging ahead against unexpectedly light resistance.

Though many of the enemy troops that garrisoned the Atlantic Wall defences were static units or conscripts from occupied countries, the 352nd Infantry Division was an experienced formation that took full advantage of the cliffs at Omaha Beach and made the broad expanse of the shoreline at low tide a killing ground.

Omaha was the most horrific battle of D-Day. Many US soldiers of the first wave were shot as soon as the ramps of their landing craft were lowered. Others were weighed down by combat packs and drowned. Rough seas swamped amphibious tanks meant to add firepower to the assault. The situation was in such doubt at mid-morning that General Bradley contemplated withdrawing the troops from the beach and diverting reinforcements to quieter sectors.

Then, the resilience of the GIs prevailed as junior and noncommissioned officers got up from the makeshift shelter of beach obstacles to take on German strongpoints one by one. Finally, in the afternoon the situation at Omaha stabilised. But the beachhead was precarious and a 14-kilometre gap existed between the Americans at Omaha and the Canadians at Juno. The distance was even greater to a link-up with the Fourth Division at Utah.

Despite the difficulties encountered on D-Day at the cost of 2,500 dead and another 7,500 wounded, the Allied forces solidified their foothold in Normandy. Looking beyond the beaches, though, weeks of tough fighting lay ahead. Operation Overlord, the Normandy campaign, proceeded – painfully at times.

Montgomery hammered away at Caen, but the Germans held the city and the dominating high ground of Hill 112 for more than a month. Still, the British commander contended that his design was to draw the bulk of the German armoured divisions, finally released by Hitler, upon himself to enable the Americans on his right flank to advance.

The Americans were challenged by the terrain as centuries-old hedgerows made a patchwork of the Norman countryside, turning meadows into free-fire zones and country lanes into deathtraps. Progress was slow as some formations turned toward the Cotentin Peninsula and the deepwater port of Cherbourg while others maintained the advance against the town of Saint Lo and other objectives that would unhinge the German resistance.

While the British finally secured Caen in mid-July, the Americans launched an all-out effort to break free of the hedgerows. Bradley's plan, called Operation Cobra, involved the saturation bombing of German positions along the front lines followed by a swift assault of American armour and infantry that would lead the spearheads into open country.

On 25 July, Cobra was unleashed. The defending Germans were stunned, and one division – the Panzer Lehr – ceased to function due to the ferocity of the bombing. During the next 48 hours, American forces advanced 27 kilometres. Simultaneously, renewed British efforts combined to unhinge the German defences in Normandy. A foolhardy counterattack ordered by Hitler served only to further weaken the German forces, depleting their armoured contingent significantly.



American troops accompany M4 Sherman medium tanks through the ravaged French village of Coutances during Operation Cobra

With the enemy in full retreat a golden opportunity to bag the entire German Seventh Army and other formations presented itself. A giant Allied pincer movement converged on the area of Falaise. By mid-August Allied forces had thrown a bridgehead across the River Seine while Montgomery fixed the bulk of the German armour to the north and the Canadian First Army swung toward the enemy right flank. Meanwhile, the newly activated Third Army under fiery General George S Patton Jr dashed across France, threatening to outflank the Germans in the south.

Although fanatical German resistance held the shoulders of the 'Falaise Pocket' open and allowed about 40,000 enemy soldiers to escape, Allied air and artillery turned the area into a meatgrinder. More than 10,000 Germans were killed and 50,000 captured. Eisenhower visited the battleground and remarked that he could not

step in any direction without touching the body of a dead enemy soldier.

By late August, the Allies had destroyed organised German resistance in Normandy, vaulted the Seine, secured the Cotentin Peninsula, and raced across Brittany deep into the interior of France. On 25 August, Paris, the City of Light, was liberated after four arduous years of German occupation. Operation Overlord and the Normandy campaign were over. The Allies sustained over 200,000 casualties, more than 125,000 of them American, while the Germans lost well over 200,000 soldiers who were either killed, wounded, or captured.

More grievous losses were sustained during months of fighting, but in April 1945 American soldiers linked up with the Soviet Red Army, advancing west, at the German town of Torgau on the Elbe River. Within days, the Third Reich was no more.

A COMMUNIQUÉ NEVER SENT

Although he had faith in the success of Operation Overlord, General Dwight Eisenhower was required to prepare for the worst

The weather was horrific but thousands of soldiers were poised to assault Hitler's Fortress Europe. While rain pelted and wind howled, General Dwight D Eisenhower assembled senior commanders at Southwick House in Portsmouth, England, early on 5 June 1944 to seek advice. Weather forecasts indicated a window for the D-Day operation, already postponed by 24 hours, to launch the next day.

Security concerns were rising. Such an immense operation could not remain secret indefinitely. The troops were ready. Another postponement would sap combat efficiency. The next favourable conditions were two weeks away. Field Marshal Bernard Montgomery

piped, "I would say go!" Others nodded, and Eisenhower pronounced, "OK, we'll go!"

Failure was unthinkable, but Eisenhower prepared a statement shouldering command responsibility: "Our landings in the Cherbourg-Havre area have failed to gain a satisfactory foothold and I have withdrawn the troops. My decision to attack at this time and place was based upon the best information available. The troops, the air and the Navy did all that Bravery and devotion to duty could do. If any blame or fault attaches to the attempt it is mine alone." Ultimately, the decision to order Overlord was Eisenhower's. The message stayed in his pocket and was given to a staff officer as a souvenir.



General Dwight D Eisenhower, supreme Allied commander, poses with senior Allied officers during planning for Operation Overlord

OPERATION MARKET GARDEN

THE NETHERLANDS 17-25 SEPTEMBER 1944

For over 75 years the underlying reasons for the failure at Arnhem have gone largely unremarked upon, despite being in plain sight

WORDS WILLIAM F BUCKINGHAM



*British paratroopers
surrender to German
forces after the failure of
Operation Market Garden*

The Battle of Normandy effectively ended on 21 August 1944 with the closing of the Falaise Gap, 76 days after Allied troops first set foot on the D-Day landing beaches. The battle cost the Germans around 10,000 dead and 50,000 prisoners along with almost all their heavy equipment and vehicles, and an estimated tide of 20,000 survivors fled eastward as far as southern Holland, where the local civilians dubbed Tuesday 5 September 'Dolle Dinsdag' or 'Mad Tuesday'.

The Allied pursuit began on 28 August with British tanks reaching Arras on 1 September, Brussels was liberated two days later and by 6 September the advance was approaching the

Dutch border in the face of stiffening German resistance. In an effort to maintain the momentum Allied Supreme Commander General Dwight D. Eisenhower authorised Operation Market Garden, which was intended to bypass the Westwall fixed defences guarding the German frontier and open a route into the North German Plain and thus the heart of the Third Reich.

Operation Market was the largest airborne operation in history and involved landing 40,000 men from three Allied Airborne Divisions along a 60-mile corridor running north from the Belgian border to the Dutch city of Arnhem on the Lower Rhine, tasked to seize and hold 17 bridges across eight separate waterways starting at the

Wilhelmina Canal just north of Eindhoven. The operation began on 17 September 1944 with the US 101st Airborne Division assigned to secure the southern third of the corridor, the centre portion including the city of Nijmegen was the responsibility of the US 82nd Airborne Division and the furthest third was allotted to the British 1st Airborne Division.

The ground component of the Operation, codenamed Garden, tasked British 30 Corps – spearheaded by the Guards Armoured Division – to break through the coalescing German defence on the Belgian border and advance rapidly up the Airborne Corridor, relieving each crossing in turn. All this was scheduled to take 48 hours. In the event the two US Airborne divisions secured all their allotted objectives, although the first bridge across the Wilhelmina Canal was destroyed, prompting a 36-hour delay compounded by the tardy performance of 30 Corps, while the road and rail bridges across the River Waal at Nijmegen were not secured until the evening of 20 September, 24 hours behind schedule.

Matters went most awry at Arnhem however, despite a near flawless delivery. The 1st Airborne Division's plan was to despatch the 1st Airborne Reconnaissance Squadron and the 1st Parachute Brigade to secure the objectives in Arnhem. The bulk of the first lift would remain at the landing area until the second lift arrived the following day, after which the entire division would also move into Arnhem.

In the event only a small part of the 1st Parachute Brigade managed to slip through to the north end of the Arnhem road bridge, where they held the objective for 80 rather than 48 hours before being overwhelmed after an epic siege. The remainder of the 1st Parachute Brigade fought itself to destruction trying to reach the bridge before being driven back to the main body of the 1st Airborne Division, which was blocked and surrounded at Oosterbeek, midway between the landing area and Arnhem.

After another epic six-day siege that reduced Oosterbeek to rubble and the failure of three attempts to push reinforcements across the Lower Rhine, around 2,500 survivors were evacuated in small boats on the night of 25-26 September 1944. The evacuation effectively marked the end of Operation Market Garden.

Popular reasons for the failure

The search for reasons for the 1st Airborne Division's failure at Arnhem began as soon as Market Garden ended, and several recurring favourites have emerged over the years. These include: landing the division in daylight, spreading the division landing across three lifts on successive days, and the seven mile or so distance between the landing area and Arnhem. All of these were mandated by external factors however, and they did not impact adversely on events at Arnhem.

First, because Market was launched in a no-moon period, a daylight insertion was unavoidable



ALLIES TAKE CONTROL

because paratroopers and glider pilots alike required a degree of natural light to judge depth and distance for landing. It should also be noted that the Market first lift was widely hailed as the most successful to date by experienced commanders from all three Airborne Divisions.

Second, the 1st Airborne was not alone in being delivered in multiple lifts spread over several days simply because there were insufficient transport aircraft available to deliver three complete Airborne divisions simultaneously. The shortening autumn days ruled out flying more than one lift per day because it would involve taking off or returning in darkness, and while RAF aircrew were trained in night flying and navigation techniques, their USAAF counterparts largely were not and also lacked trained navigators and ground crew.

Third, the landing area was selected because it was the closest site to Arnhem suitable for large-scale glider landings, as contemporary maps show. While the area at the south end of the Arnhem road bridge could have been used as a parachute landing zone, the planners considered it too soft and riven with deep, wide drainage ditches for safe use by heavily laden gliders. Furthermore, the distance between the landing area and the objectives in Arnhem was not the handicap it is often painted. The 2nd Parachute Battalion reached the Arnhem road bridge in just over four hours, fighting several small actions en route and while shepherding a number of personnel and vehicles from the Brigade column and a variety of support units. This shows covering the seven miles was perfectly feasible providing the attackers moved with sufficient speed and application.

The myth of enemy action

Enemy action is another often repeated reason for the failure, usually relying on two specific examples. SS Bataillon Krafft, an approximately 400-strong replacement training unit billeted near Oosterbeek, is routinely credited with single-handedly holding back the 1st Parachute Brigade's advance to Arnhem until after dark on 17 September, largely due to a highly embellished and self-serving report by its commander, Hauptsturmführer Sepp Krafft.

The reality was rather more prosaic. Krafft serendipitously deployed his unit along the eastern side of what was to be the 1st Airborne Division's main landing area to avoid Allied preparatory bombing, but its impact was far less than popularly claimed, amounting to a handful of relatively minor clashes. One element was wiped out by the 2nd Parachute Battalion after straying onto the landing area, another spent several hours inconclusively skirmishing with a British unit defending the landing area and a third caught two of the 1st Airborne Reconnaissance Squadron's Jeeps as they belatedly began their move from the landing area to the Arnhem bridge.

The most significant clashes were with the 3rd Parachute Battalion on the outskirts of Oosterbeek, consisting of a brief hit-and-run ambush in the late afternoon followed by an inconclusive two-hour fight with the tail end of the 3rd Battalion column at dusk that ended when the SS element withdrew. None of this materially impacted the 1st Parachute Brigade's advance toward Arnhem however, and any connected consequences were attributable to other factors.

The second popular myth with reference to enemy action is the recurring idea that the 1st

Airborne Division landed atop two fully functioning panzer divisions. While II SS Panzerkorps, consisting of 9 and 10 SS Panzer Divisions, had been in the vicinity of Arnhem since 8 September, the fighting in Normandy and the retreat across northern France and Belgium had reduced them to a fraction of a single division in total, with a relative handful of vehicles and heavy equipment, the bulk of which were despatched south to Belgium to block the Allied ground advance on 13 September, four days before Market commenced.

By 17 September, 10 SS Panzer Division had been ordered to refit in place in Holland at three locations up to 30 miles east and north of Arnhem, while 9 SS Panzer Division had been ordered to hand over its surviving heavy equipment to its running mate and the bulk of its personnel had already been despatched to Germany by rail to be re-equipped by the time Market began. The remainder, mainly service and supply personnel denuded of almost all heavy equipment and motor transport, were scattered across locations north and east of Arnhem between 16 and 35 miles from the landing area.

It is therefore clear that neither of II SS Panzerkorps' badly depleted formations were close to being under the 1st Airborne Division's landing and more importantly, none of 9 SS Panzer Division's elements were located between the landing area and Arnhem. They were therefore unable to seriously interfere with the 1st Parachute Brigade's advance into Arnhem in the first vital ten to 12 hours following the landing, when the British formation's battle for its objectives was won and lost.

Apart from the riverside loophole that permitted the 2nd Parachute Battalion to slip through to



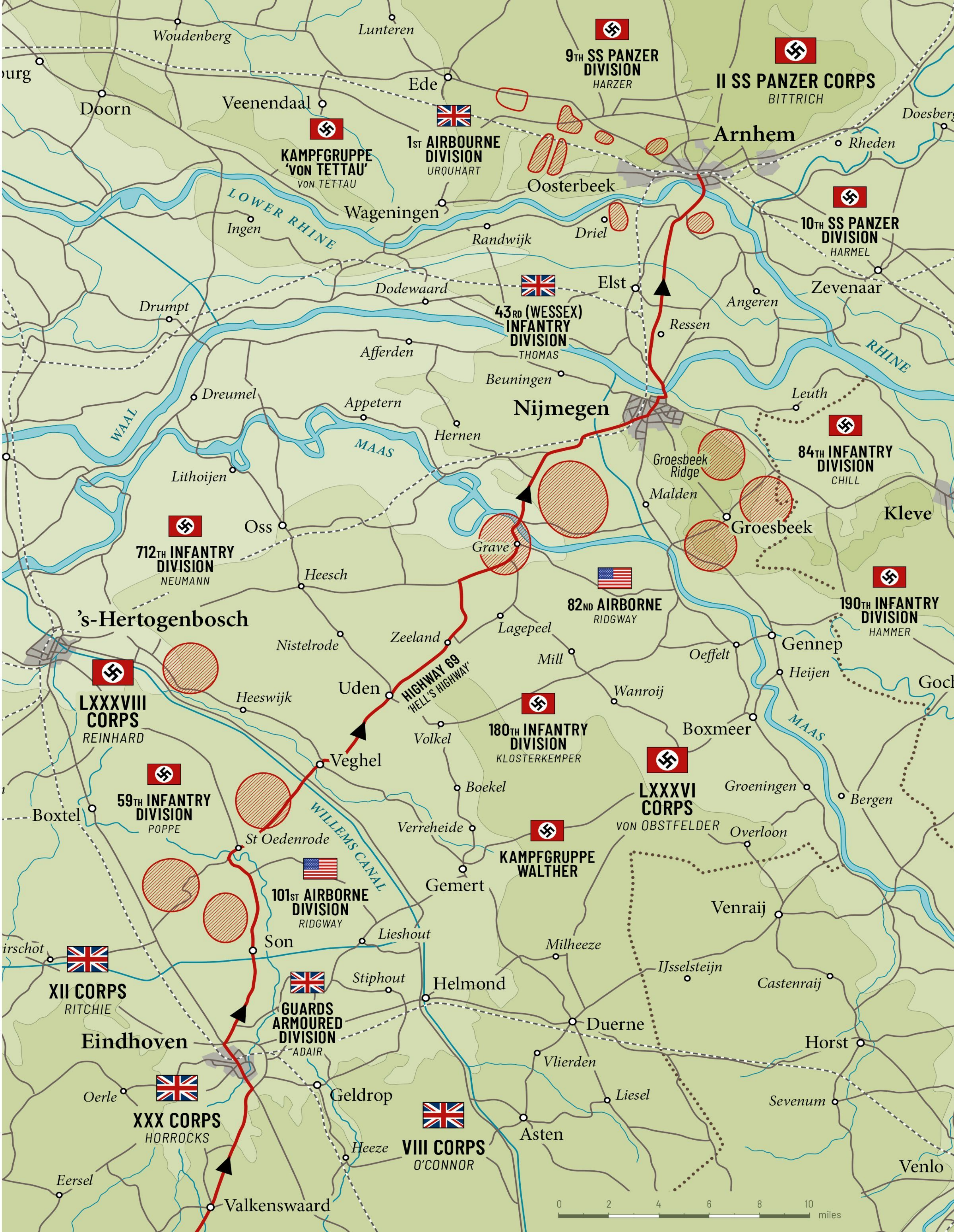
British paratroops of the 1st Airborne Division in their aircraft en route to Arnhem



At the time, Market was the largest airborne operation in history



An Allied paratrooper makes an uncomfortable landing



ALLIES TAKE CONTROL



Dutch citizens welcome a British Sherman tank on 21 September

the Arnhem road bridge, German reactions and deployments were exemplary, however. II SS Panzerkorps HQ issued warning orders less than an hour after receiving reports of the landing, 9 SS Panzer Division's denuded units were on the way to the scene of the action within three hours and within four hours Feldmarschall Walther Model had issued orders that framed the subsequent successful German conduct of the battle.

Unwarranted arrogance and poor discipline?

All this suggests that the reasons for the 1st Airborne Division's failure at Arnhem were a little closer to home, and at first glance the problems appears to be with the division's attitude as a whole. Although the glider and parachute operations carried out by two of its constituent brigades in Sicily were effectively fiascos, the 1st Airborne Division returned from the Mediterranean in November 1943 with an overwhelming sense of its experience and capabilities; tendencies



noted not least by the division's new commander Major-General Robert Urquhart, who observed a reluctance to accept the necessity of any additional training.

Similarly, Lieutenant-Colonel Mark Henniker from the division's Royal Engineer contingent referred to many surrounding themselves with a mystique that was not entirely justified by experience while Major Philip Tower RA, who joined the division after its return to the UK, recognised the quality of his new Airborne comrades but felt they overestimated their abilities, and noted an unwillingness to acknowledge that any worthwhile experience was to be had outside the Airborne fold. This is illustrated by an incident when umpires ruled against a particularly poorly co-ordinated attack by a 1st Airborne Division unit during Exercise Mush in April 1944, after which a company commander protested loudly that "you can't do this to us, we are the original Red Devils!"

The attitude manifested itself as indiscipline in the lower ranks, particularly within the 1st Parachute Brigade. Lieutenant-Colonel John Frost, who commanded the 2nd Parachute Battalion at Arnhem bridge, referred to low level disciplinary problems across the whole brigade from 'hard cases' disinclined to obey regulations, along with widespread absenteeism which interfered with training and disrupted unit cohesion, while the commander of the 3rd Parachute Battalion was relieved after his Battalion was unable to march on a test exercise.

The epicentre of indiscipline was the 1st Parachute Battalion where one commander was posted away after tightening discipline with the aid of a Guards RSM, which the troops considered to be "treating battle hardened men like children" and his replacement was not popular either. The feeling was mutual. Lieutenant-Colonel Kenneth

Darling later recalled, "Frankly, I was horrified by 1 Para, they thought they knew all the answers, which they did not, and their discipline was not what I expected." The upshot was a mutiny on 30 March 1944 when the Battalion refused to draw parachutes for a jump which led to Darling being replaced by Lieutenant-Colonel David Dobie, who led the 1st Battalion into Arnhem. In some instances the indiscipline spilled over into outright criminality. For example, on 12 February 1944 the local fire brigade had to be summoned after a smoke marker was ignited outside the Battalion Orderly Room, and just over a month later the safe in the Battalion's NAAFI canteen was broken into and the funds stolen.

The obvious conclusion to draw from all this was that unwarranted arrogance and poor discipline were the reasons for the 1st Airborne Division's failure. However, events in Holland clearly show this was not the case. With regard to the 1st Parachute Brigade, the 2nd Parachute Battalion reached the Arnhem road bridge in just over four hours accompanied by the brigade column and other elements totalling approximately 740 men.

This force held the north end of the bridge for three and a half days, losing 81 dead and approximately 280 wounded in the process, almost 50 per cent of the force. They were only overwhelmed after running out of ammunition and food, and being literally blasted out of mostly burning buildings by artillery and tanks.

The 1st Parachute Battalion spent 11 hours trying to reach its objective north of Arnhem, losing 11 dead and over a hundred wounded, before moving immediately to reinforce Frost at the road bridge. It then joined the 3rd Parachute Battalion in repeated unsuccessful attempts to break through the German blocking line in the western outskirts of Arnhem, during which both units fought

themselves virtually to destruction. By midday on Tuesday 19 September the 1st Parachute Battalion had been reduced to around 200 men from the 548 who had jumped in two days earlier, while the 588-strong 3rd Parachute Battalion had been reduced to just 60.

Neither was this level of raw courage and application unique to the 1st Parachute Brigade, as the fight in the outskirts of Arnhem took a similar toll of battalions from the 1st Airlanding Brigade and 4th Parachute Brigade and was then replicated across the entire gamut of the 1st Airborne Division's units in the subsequent six-day siege of Oosterbeek. This all strongly suggests that the 1st Parachute Brigade's indiscipline was largely a case of good field soldiers making poor garrison soldiers, and that there was little wrong with the 1st Airborne Division up to the battalion level or equivalent, arrogance notwithstanding.

Poor planning and leadership

In fact, the root of the 1st Airborne Division's failure was higher up the chain of command, and at the very top. A Regular officer commissioned in 1920, Major-General Robert Elliot Urquhart assumed command of the 1st Airborne Division on 10 January 1944, having risen from the rank of major to major-general in the course of war service in a variety of staff positions, including a 13-month stint on the staff of the 51st Highland Division in North Africa. This was followed by his sole operational command appointment, four months commanding 231 Infantry Brigade in Sicily and southern Italy; he never commanded or served with an airborne unit prior to assuming command of the 1st Airborne Division.

His relatively rapid progress and elevation to the latter command over better-qualified candidates was due to the intervention of Field-Marshal Bernard Law Montgomery. Urquhart had been a Montgomery

Lieutenant-General Lewis H Brereton (left) commander of the First Allied Airborne Army, shakes hands with Major-General Urquhart



“URQUHART’S LACK OF AIRBORNE EXPERIENCE WAS CLEARLY APPARENT IN HIS PLANNING FOR ARNHEM, WHICH ELICITED DISBELIEF AMONG SENIOR US AIRBORNE COMMANDERS”

protégé since coming to the latter’s notice when serving on the 3rd Infantry Division staff in October 1940, and he was given command of the 1st Airborne Division after Montgomery raised the idea with the commander of British 1st Airborne Corps, Major-General Frederick Browning. To be fair there is no evidence Urquhart sought the appointment and he created a good impression at his new command, but circumstances conspired to prevent him properly grasping the operational implications, restrictions and realities of his new role.

In the five months before D-Day, Urquhart attended numerous conferences and planning meetings in or near London over a hundred miles from his HQ in Lincolnshire and after the invasion he was fully involved in preparing for a total of 15 cancelled operations. This was a punishing schedule and was likely a cause of the severe bout of malaria that hospitalised him for almost a month in April 1944. Urquhart’s lack of airborne experience was clearly apparent in his planning for Arnhem, which elicited disbelief among senior US Airborne commanders. For example, Brigadier-General James Gavin, commanding the 82nd Airborne Division and the most experienced of all Allied airborne commanders, later likened Urquhart’s scheme to a peacetime exercise.

Urquhart gave assembling his division in its entirety as much attention as accomplishing its mission, and his assumption that the Germans would permit it to sit in place for 24 hours before moving into Arnhem was fanciful, as the

fact that the bulk of the 1st Airborne Division covered less than half the distance to Arnhem before being blocked and surrounded shows. Urquhart’s thinking appears to have been rooted in conventional ground operation rather than what was required for an airborne insertion 60 miles behind enemy lines, and thus suggests a fundamental misunderstanding of the realities of airborne operations.

Urquhart compounded his unrealistic planning with a series of poor decisions after Market was launched, to the extent it can be argued he did not make a single correct decision in his first two days on the ground in Holland. He failed to clarify the division command succession until boarding the glider for Arnhem, a basic precaution and a vital one in airborne operations, given the routine risks inherent in aerial delivery even without enemy action. In the event his chief of staff was obliged to mitigate the consequences with diplomacy in the midst of the battle when Urquhart abruptly left his HQ shortly after landing in response to an erroneous rumour that the 1st Airborne Reconnaissance Squadron had failed to arrive in Holland.

Instead of checking the veracity of the rumour, Urquhart summoned the Squadron Commander, Major Freddie Gough, to Division HQ by radio before racing off in a Jeep to inform Brigadier Lathbury and the 1st Parachute Brigade in person. The kneejerk summons separated Gough from his command for the remainder of the

battle and effectively ended the squadron’s coup-de-main mission.

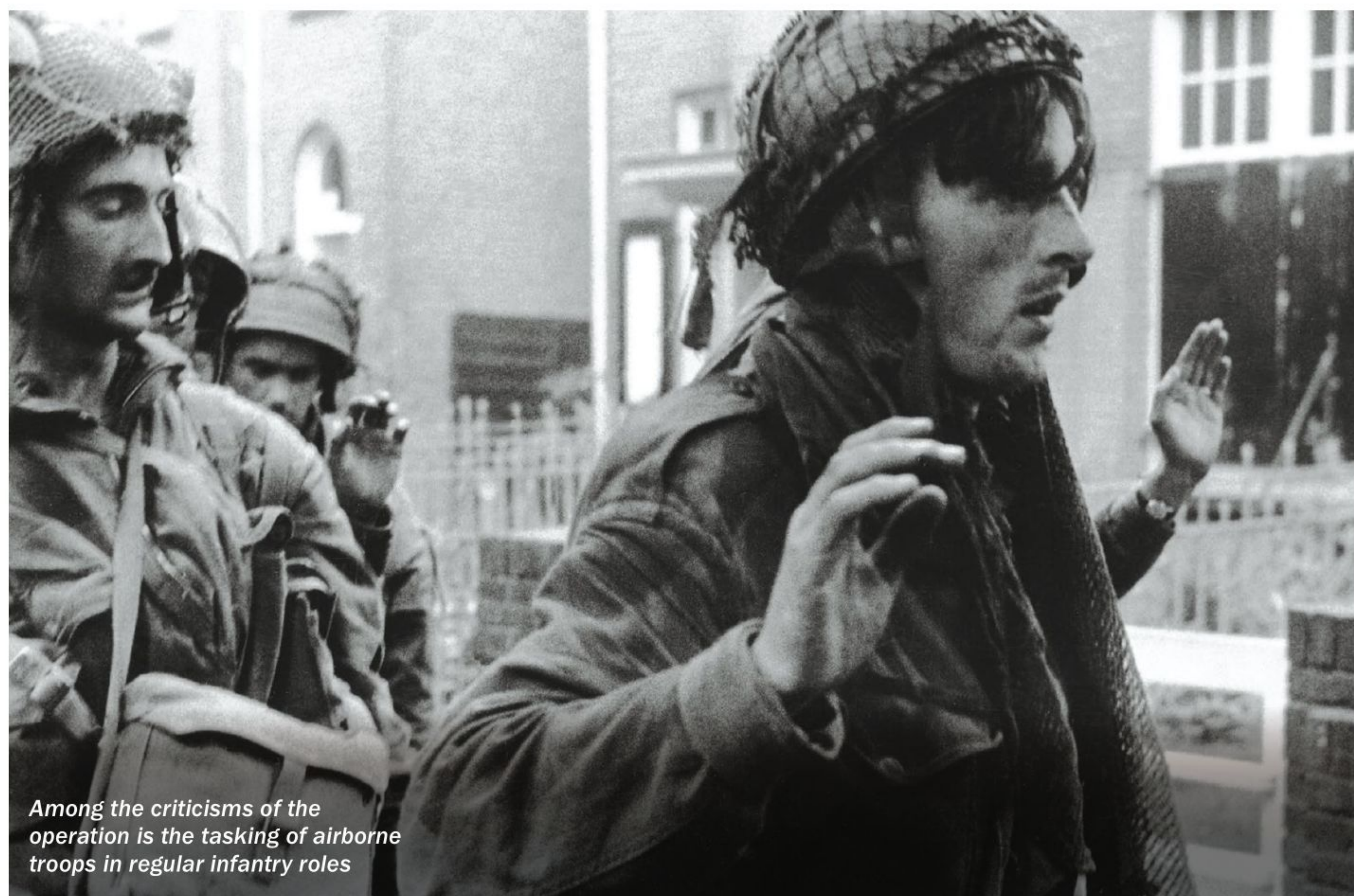
More seriously, it can be argued that at this point Urquhart effectively abdicated command of the 1st Airborne Division as he disappeared with no explanation or contact arrangements and then deliberately severed radio contact with his HQ, which was never re-established. His arrival at the 3rd Parachute Battalion at dusk was instrumental in that unit abandoning its move to Arnhem and halting in Oosterbeek for the night. Urquhart then chose to remain with the 3rd Battalion, still out of contact with his HQ and the rest of the division, and thus unable to exert any influence on the developing battle, until the late afternoon of 18 September. He then made an ill-advised attempt to regain his HQ accompanied by Brigadier Gerald Lathbury that ended with Lathbury being badly wounded and captured and Urquhart trapped in an attic for 12 hours, before finally regaining his HQ at 7:25am on 19 September, after a 40-hour absence. By that time the initial window of opportunity had gone and the Arnhem portion of Operation Market had effectively failed.

That is not to say that Urquhart was a bad or incompetent commander. He did a more than adequate job of rallying his division and establishing a defensible perimeter at Oosterbeek while in contact with the enemy, and then orchestrated the defence of that perimeter under ever increasing German pressure. When it became clear this was unsustainable and permission was granted to withdraw across the river, Urquhart planned and implemented an evacuation inspired by the retreat from Gallipoli during the First World War codenamed Operation Berlin, which succeeded in lifting over 2,000 men across the Lower Rhine on the night of 25-26 September. All that came after the airborne assault at Arnhem had morphed into a conventional defensive infantry battle however, and the evidence strongly suggests that Urquhart did not fully grasp the realities of airborne operations.

That lack of understanding contributed significantly to the failure of the 1st Airborne Division at Arnhem and, by extension, to the failure of Operation Market Garden.

The Arnhem portion of Market might still have succeeded in spite of Urquhart’s errors had the 1st Parachute Brigade managed to seize and hold the objectives in the city. This was not to be however, as the Brigade commander was only marginally more experienced himself. Brigadier Gerald Lathbury was commissioned in 1926 and his war service consisted of a number of separate staff appointments at the War Office, interspersed with eight months overseeing the raising of the 3rd Parachute Battalion and four months performing the same role with the 3rd Parachute Brigade.

He assumed command of the 1st Parachute Brigade on 25 April 1943 and led its operation to seize the Primasole Bridge in Sicily three months later. The operation was a fiasco as the Brigade was scattered up to 20 miles from its objective,



Among the criticisms of the operation is the tasking of airborne troops in regular infantry roles

the ground force took 48 rather than 12 hours to arrive and Lathbury was wounded in the back and legs during the fighting. These circumstances have concealed the unsuitability of Lathbury's plan however, which employed six widely separated landing zones before dispersing the Brigade over three separate locations spread across more than five square miles. This ruled out mutual support and breached the military maxim on maintaining focus on the primary aim. In fairness, there was not a great deal of airborne experience to draw upon in 1943, but Lathbury went on to commit exactly the same errors at Arnhem where again circumstances conspired to conceal the fact.

Lathbury's Arnhem plan was a slight reworking of an earlier scheme codenamed Comet and envisaged sending the armed Jeeps of the 1st Airborne Reconnaissance Squadron ahead to seize the Arnhem bridge followed by the Brigade's three battalions moving along three parallel and widely spaced routes. The 1st Parachute Battalion was allotted the northern route codenamed Leopard, the 3rd Parachute Battalion was assigned the centre Tiger route and the 2nd Parachute Battalion was allocated the southern Lion route along the Lower Rhine. This dispersed the Brigade's combat power, ruled out mutual support and obliged each battalion to fight in isolation and the plan thus resembled a peacetime training exercise, an impression reinforced by the objectives selected. These isolated a third of the brigade on high

ground north of Arnhem, dispersed a third across the pontoon bridge, the Arnhem rail bridge and the German HQ in the centre of Arnhem with the remaining third holding the Arnhem road bridge.

Given that most of these tasks required a full battalion at minimum, the plan was a classic case of trying to do too much with too little, and virtually guaranteed that the 1st Parachute Brigade's sub-units would be isolated, overwhelmed and defeated in detail.

Once on the ground in Holland, Lathbury exacerbated the flaws in his plan by micromanaging his subordinate commanders to a degree that interfered with their ability to carry out their assigned missions. This began by needlessly holding the battalions at the landing area for over an hour before releasing them despite the time sensitive nature of the operation, and then motoring between the widely dispersed Battalion routes urging the commanders to greater haste.

By early evening Lathbury was running the 3rd Parachute Battalion over the head of its commander near Oosterbeek. He ordered an unnecessary counter-attack against elements of Bataillon Krafft that fired on the tail of the battalion column as it was moving away from the attackers and then compounded this by ordering the 3rd Battalion to halt in Oosterbeek for the night, presumably to protect Major-General Urquhart after he turned up unescorted at dusk. Lathbury then refused a radio appeal for assistance from his

brigade major at the Arnhem road bridge, on the grounds that his men were tired.

Thereafter he effectively abdicated command by accompanying an equally passive Urquhart in remaining with the 3rd Parachute Battalion until he was wounded and captured while attempting to regain his HQ on 18 September. All this is does not necessarily mean Lathbury was a bad or incompetent officer. His inadequate planning was attributable to inexperience and lack of higher guidance. His micromanaging was presumably due to his formation's disciplinary problems, and abandoning his mission to protect his superior was likely the result of his conditioning as a Regular officer. Nonetheless, it is perhaps instructive to note that the elements of the 1st Parachute Brigade that reached the Arnhem road bridge or fought themselves to destruction trying to reach it did so without the benefit of Lathbury's direct involvement.

It can therefore be seen that there was more to the failure of the 1st Airborne Division at Arnhem than popular assumptions about landing areas, drop arrangements and enemy action, and that the underlying reasons were poor planning and leadership at the brigade and division level. Given the exemplary courage and tenacity exhibited by the men of the 1st Airborne Division in Holland, it is interesting to speculate on how the Arnhem portion of Operation Market might have turned out with more experienced hands at the helm.



American troops attempt to free trapped GIs from the wreckage of a crash-landed Waco glider



A British officer is captured in civilian clothes by Waffen-SS soldiers

THE END NEARS

112 BATTLE OF LEYTE GULF

The US and Imperial Japanese navies squared off in a series of engagements that came to comprise one of history's largest naval battles

116 BATTLE OF THE BULGE

Many assume that the 101st Airborne defended Bastogne alone during the Battle of the Bulge. In fact the US 10th Armored Division got there before them by eight crucial hours



126 BATTLE OF IWO JIMA

After an arduous slog through the Pacific, US Marines mounted one final assault on Japanese forces in an attempt to unlock the mainland

134 BATTLE OF OKINAWA

The last campaign of World War II in the Pacific required an arduous 82 days for the Allies to claim victory

140 BATTLE OF BERLIN

Amid the rubble of the Nazi capital, the Soviet Red Army brought Hitler's Third Reich to a violent end




BATTLE OF LEYTE GULF

LEYTE GULF 23-26 OCTOBER 1944

The US and Imperial Japanese navies squared off in a series of engagements that came to comprise one of history's largest naval battles

WORDS MARC DESANTIS



On 20 October 1944, after a heavy naval bombardment, Supreme Allied Commander, Southwest Pacific Area, General Douglas MacArthur commenced landing 200,000 US troops on the island of Leyte with the goal of liberating the Philippines from Japanese occupation. Offshore in Leyte Gulf lay Vice Admiral Thomas Kinkaid's US Seventh Fleet covering the amphibious invasion force and delivering the ammunition, food and medical supplies necessary to sustain the troops heading inland.

The days before the landings saw major American carrier-plane airstrikes on Formosa and the Ryukyu Islands, and hundreds of Japanese aircraft fell victim to American fliers. Coupled with the devastating losses from the Battle of the Philippine Sea that June, the Japanese Combined Fleet would be largely without air cover for the upcoming battle.

In response to the American landings at Leyte, the Japanese high command initiated its Sho-Go 1 plan with the intention of destroying the US invasion fleet. This could not be achieved by Japan's very limited air power, so a Japanese surface fleet would have to do. It would first be necessary for the US Third Fleet under Admiral

William 'Bull' Halsey to be lured away from its position to the northeast of the Philippines so that it could not interfere with the Combined Fleet's attack on the US amphibious fleet in Leyte Gulf.

Sho-Go 1 was a complicated battle plan, in keeping with most Japanese naval operations of the war. It called for a 17-ship Northern Force departing from Japanese home waters under Vice-Admiral Jisaburo Ozawa and consisting of one fleet carrier and three light carriers, which were largely empty of airplanes, two battleships and 11 lesser warships to lure Halsey away. A powerful Centre Group under Vice-Admiral Takeo Kurita comprising five battleships, ten heavy cruisers, two light cruisers and 15 destroyers, sailing from Borneo, would traverse the middle of the Philippines through the San Bernardino Strait before making its way southward to the Leyte landing sites.

Lastly, the Southern Force, under Vice-Admiral Shoji Nishimura, consisting of two battleships, one heavy cruiser and four destroyers, would also sail from Borneo and be joined by another squadron from the Ryukyu Islands of two heavy cruisers, one light cruiser and seven destroyers under Vice-Admiral Kiyohide Shima. These groups, especially the Centre Group, which contained

the 70,000-ton super battleships Yamato and Mushashi, were supposed to fall upon the US invasion fleet at Leyte Gulf on 25 October and wipe it out with their big guns.

Oddly, neither the US nor Japanese fleets had overall commanders for their forces for the battle. The result was that there were instances of miscommunications and misunderstandings that had serious impacts on the course of the battle.

The Americans struck first when, early in the morning of 23 October, a pair of submarines, USS Darter and USS Dace, intercepted Kurita's Centre Group off Palawan Island and torpedoed three Japanese cruisers, sinking two and badly damaging a third. Darter ran aground during the fight and the crew was rescued by Dace.

Kurita's position was now known to the Americans. Halsey's Third Fleet had its core striking power in fast carriers of Task Force 38 plus several battleships. TF 38 comprised three smaller task groups, each built around several aircraft carriers, while a fourth was away at the fleet anchorage at Ulithi Atoll, rearming and refuelling.

From his flagship, USS New Jersey, Halsey directed his three carrier task groups against Kurita's Centre Group. He also became aware



The light carrier USS Princeton was hit by a single Japanese bomb and sunk in the Battle of the Sibuyan Sea

of the approach of Nishimura's vanguard group of the Southern Force, and that it was ultimately headed for Leyte Gulf, through the Surigao Strait. He presumed that Kinkaid's Seventh Fleet had more than enough firepower to fend off Nishimura but he could not confer directly with Kinkaid. MacArthur, Kinkaid's superior, had forbidden any direct contact between the two fleets so messages took a long time. Halsey also recalled the fourth task group from its voyage to Ulithi.

On 24 October, in the Battle of the Sibuyan Sea, Halsey's carrier planes struck Kurita's Centre Group ships, which had no fighter protection at all. Most of the American's attention was given to the super battleship Musashi, which was sunk after being hit with 17 bombs and 19 torpedoes, as well as enduring 16 destructive near-misses. Kurita ordered a retreat away from the San Bernardino Strait.

American losses were minimal. However, Third Fleet's pilots provided overly rosy reports of their attacks when they returned to their carriers and Halsey, accepting them at face value, came to the conclusion that Kurita was no longer a major threat. When a report of Ozawa's Northern Force location came, he decided to take the whole of Task Force 38, comprising the carrier units of

Third Fleet, plus all of his battleships, north to demolish it. He thought that Seventh Fleet had enough firepower left to defend itself and the invasion beaches but this was predicated on the belief that Kurita's Centre Group had been hurt much worse than it had been. Crucially, Kinkaid never received clear notification that Halsey was taking his whole fleet away and continued to believe that some of it was guarding the San Bernardino Strait.

With the strongest elements of the US Navy now steaming north, Kurita turned his own fleet around and through the San Bernardino Strait. His Centre Group emerged in the early morning of 25 October to discover Seventh Fleet's Task Force 77.4 between it and the invasion fleet's transports. Task Force 77.4, under the command of Rear Admiral Thomas Sprague, was composed of three task units – Taffy 1, Taffy 2 and Taffy

3. Each was built around a clutch of escort carriers and some destroyers. Kinkaid's Seventh Fleet had been organised to provide air cover to the American troops ashore, not fight a major engagement against the Imperial Japanese Combined Fleet but that is what they had to do.

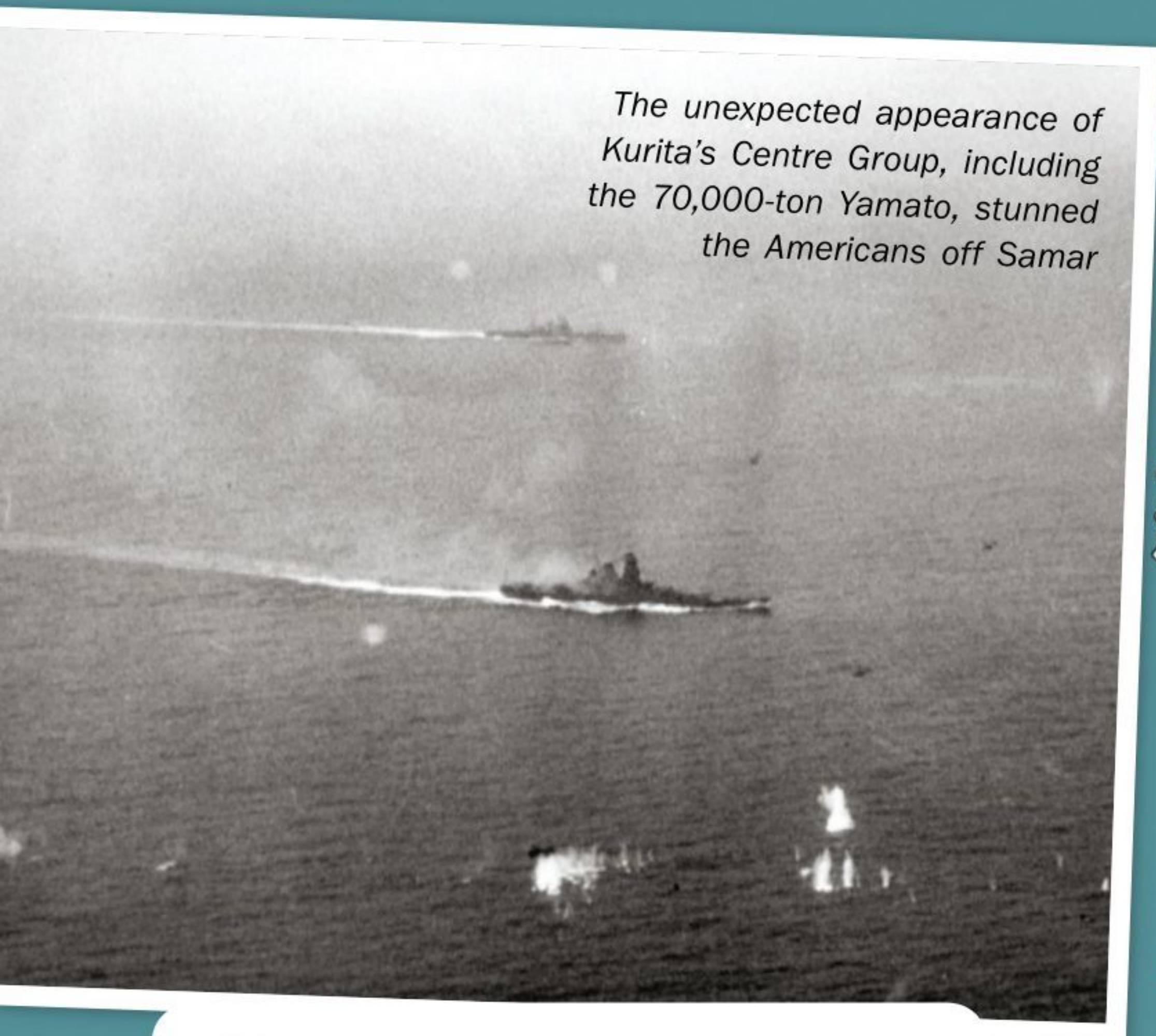
The outgunned and thoroughly surprised US Navy men of Taffy 3, under Rear Admiral Clifton Sprague, mounted a desperate defence, attacking the Japanese with their own carrier planes, dropping whatever bombs had been already loaded on them for close air support missions ashore and then strafing the enemy warships with the machine guns of their obsolescent Wildcat fighters. They were joined by their companion destroyers, which mounted near-suicidal attacks against the bigger Japanese ships. Taffy 1 and 2 were still far away but immediately sent help. For the time being, Taffy 3 was all alone.

“MOST OF THE AMERICAN'S ATTENTION WAS GIVEN TO THE SUPER BATTLESHIP MUSASHI, WHICH WAS SUNK AFTER BEING HIT WITH 17 BOMBS AND 19 TORPEDOES”

BATTLE OF LEYTE GULF

23-26 OCTOBER 1944

Luzon Strait



The unexpected appearance of Kurita's Centre Group, including the 70,000-ton Yamato, stunned the Americans off Samar

01 THE JAPANESE PLAN

Kurita's Centre Group makes for the San Bernardino Strait heading for Leyte Gulf while Nishimura takes his fleet to the Surigao Strait, destination Leyte Gulf, where the US amphibious fleet lies offshore supporting the invasion forces. Ozawa's Northern Force steams south, intent upon luring away Halsey's Third Fleet.

02 BATTLE OF THE SIBUYAN SEA 24 OCTOBER 1944

On 23 October, US submarines Darter and Dace launch torpedoes against the ships of Kurita's Centre Group, sinking two Japanese cruisers. They also notify Halsey of Kurita's position. The next day, carrier planes from Halsey's Third Fleet attack Kurita's ships, sinking the battleship Musashi. Halsey now mistakenly believes Kurita's fleet is a spent, impotent force.

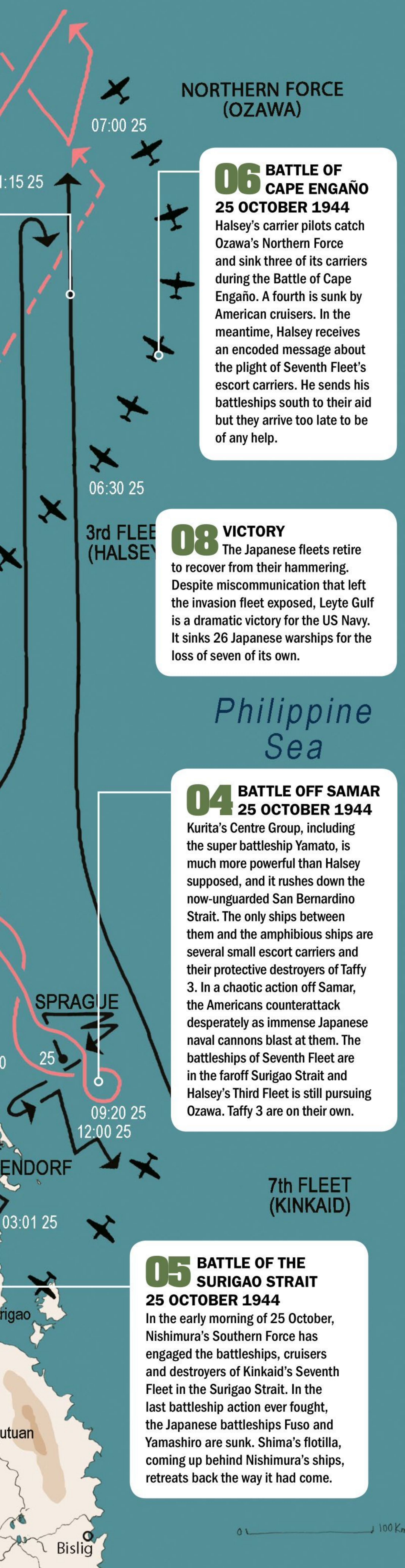
03 NORTHERN FORCE DECOY 24 OCTOBER 1944

Word reaches Halsey of Ozawa's Northern Force and he decides to give chase, just as the Japanese hoped he would. Halsey takes all of his warships with him, leaving nothing behind to guard the San Bernardino Strait and the approaches to the invasion beaches in Leyte Gulf.

07 KURITA RETREATS 25 OCTOBER 1944

Shaken by the frenzied resistance of the American escort carriers and destroyers off Samar, and mistakenly thinking he is facing the main US fleet, Kurita breaks contact and his Centre Group retreats back up the San Bernardino Strait.





The ferocity of the American response, with destroyers charging in to trade fire with tremendous Japanese battleships coupled with the fog of war, convinced Kurita that he was facing the whole of Third Fleet, not a mere invasion fleet covering force. After losing three cruisers, he ordered a retreat. American losses were heavy but the vulnerable invasion fleet had been spared annihilation.

In the meantime, Third Fleet was still chasing Ozawa's Northern Force and, unfortunately, the rest of the Seventh Fleet was too far away. That same day, in the early morning darkness of 25 October, Nishimura's Southern Force had come up the Surigao Strait with Shima's group forming a distant rearguard to be met by the bombardment ships of Seventh Fleet under Rear Admiral Jesse Oldendorf.

Oldendorf's fleet was centred on six old battleships that had been repaired and sent back to war. They'd been providing fire support for the invasion forces but now they duelled with the Japanese. Nishimura's vanguard was built around the battleships Yamashiro and Fuso. A torpedo attack by American destroyers badly damaged Fuso, which later exploded. Yamashiro was struck by torpedoes, too, and then had to contend with the eruption of fire from Oldendorf's battleships and cruisers. Aided by fire control radar, an avalanche of heavy shells plunged into Nishimura's ships. Yamashiro was sunk before

dawn, and the heavy cruiser Mogami was lost later that day. Shima, far to the rear, seeing the catastrophe that had befallen Nishimura's force, turned his own rearguard flotilla around and headed back out of Surigao Strait. The fight was history's last between battleships.

Having sought out Ozawa and at last found him, Halsey's Third Fleet carrier planes conducted strikes against the Northern Force on 25 October. Lacking airpower, the Japanese were mauled by the US Navy fliers. In this, the Battle of Cape Engaño, three Japanese carriers were sunk and a fourth was heavily damaged.

In the midst of the battle, Halsey received an encoded message from his commander demanding to know where he was. The escort carriers and destroyers of Taffy 3 at this moment were being pulverised and Third Fleet's battleships, which should have been protecting the invasion armada, were nowhere to be found. With a wounded Northern Force ripe for destruction, Halsey was forced to turn his battleships round and head back south to help the embattled Seventh Fleet – but by the time they arrived, the fight was over.

It was an inglorious end for Halsey to the Battle of Leyte Gulf, which was a huge US victory. All told, 216 US Navy ships and two Australian warships crushed a fleet of 64 Japanese vessels. By the end of the skirmish, 26 Japanese ships had been destroyed and only seven American ones.



Wildcat fighters prepare to launch from USS Kitkun Bay during the Battle of Samar on 25 October 1944



BATTLE OF THE BULGE

THE ARDENNES 16 DECEMBER 1944 - 25 JANUARY 1945

Thanks to TV series such as *Band Of Brothers* many assume that the 101st Airborne defended Bastogne alone during the Battle of the Bulge. In fact the US 10th Armored Division got there before them by eight crucial hours. Their motto was 'Terrify and Destroy' and their nickname was The Tiger Division

WORDS MARTIN KING





Two Infantrymen at Bastogne, Belgium, during the Battle of the Bulge

On 16 December 1944 at 5.30am in a salient just east of the Belgian/German frontier, dispersed wide along an area known as the Schnee Eifel, green troops of the 106th Golden Lion Division were rudely awakened from their winter sojourn by spectral red, green, amber and white thunder flashes irradiating the misty predawn sky. Moments later they heard the terrifying whine of ‘Screamin meemies’, Nazi ‘Nebelwerfers’ simultaneously belching out multiple mortar shells accompanied by booming artillery that collectively gouged and fractured the frigid earth where they stood. John Schaffner, a scout with 589th Field Artillery Battalion said, “Many rounds exploded real close and showered dirt and tree limbs about, I got down as low as I could and would have crawled into my helmet if my buttons hadn’t gotten in the way.” Shortly after these vulnerable American troops heard the menacing throaty rumble of approaching Tiger and Panther tanks.

“I was in a chateau in Sierck, France, I was told by a runner to return to HQ,” said Clair Bennett, F Company, 90th Cavalry Reconnaissance Squadron (Mechanized). “As we were moving out, we found out that the Germans were attacking Belgium.”

That same day the US 12th Army Group commander General Omar Bradley began to acknowledge fragmentary reports concerning enemy activity in the Ardennes. This didn’t deter him from attending his planned conference with Eisenhower at the Hôtel Trianon Palace in

Versailles. The conference was attended by Air Chief Marshal Sir Arthur Tedder and Generals Walter Bedell Smith, Harold R. Bull (his chief G-3, part of the American military intelligence operations) and Assistant Chief of Staff for Intelligence British Major General Kenneth Strong. The proceedings were suddenly interrupted when an American deputy G-2 entered the conference room and delivered a message to Strong, who promptly got to his feet and officiously disclosed the subject matter. “Gentleman, your attention please. This morning the enemy counter-attacked at five separate points along Middleton’s VIII Corps boundary in the 1st Army sector.”

The statement was received with hushed exchanges as all officers present began to absorb the news. Bradley displayed his usual incredulity and broke the silence, “Ike this is nothing more than a spoiling attack intended to draw Patton’s troops out of the Saar.” Eisenhower shook his head in disagreement, “This is no spoiling attack Brad.” Then Eisenhower made what was quite possibly one of his most coherent decisions of the whole war when he issued orders to dispatch the 10th and 7th Armored divisions to the Ardennes with all haste. 7th Armored would go to the German speaking Belgian town of St Vith and the 10th Armored were earmarked to get up to Bastogne.

Throughout the ensuing discussion Bradley remained in denial concerning the nature and purpose of the German attack despite the fact that the US 1st Army’s G-2 had already transmitted a captured copy of German Field

Marshall von Rundstedt’s ‘Order of the Day’ to SHAEF. This document plainly illustrated the German objectives. The following day Eisenhower committed his strategic reserve, the 82nd and 101st Airborne Divisions, to head north to the Ardennes. Precisely which division would go where would be determined while the paratroopers were en route. Poorly prepared and unsuitably attired, they would endure a freezing 13-hour ride in the backs of open tank transporters.

Bastogne is the main city in the Belgian province of Luxembourg that rests on an elevated plateau in the heart of the Belgian Ardennes. On a clear day it provides a commanding view of the surrounding area. Being centrally located, and where seven roads converged, it became a key strategic objective for both sides during this epic battle.

Middleton’s moves

On 16 December, the VIII Corps Commander, 55-year-old Major General Troy Middleton’s HQ was located at the former Belgian army barracks on the northeast perimeter of Bastogne where it had been established since early September 1944. VIII Corps were lucky to have him. Sporting glasses as thick as jam jar bottoms and pugnacious features, Middleton was destined to be the right man in the right place at the right time. He had an impeccable combat record and was widely regarded as one of the most competent battlefield tacticians in the US Army during WWII. According to reports reaching his desk on that fateful day, the Germans were slicing through American lines like a hot knife through butter along an 89-mile front stretching from Aachen in the north all the way down to Luxembourg in the south. He had to act and act fast.

The Ardennes market town of Bastogne was garlanded with Christmas decorations in anticipation of the approaching festive season. As news filtered through to the resident garrison of men from the 28th Division Pennsylvania National Guard, the city became a hive of activity. Still licking their wounds after losing four-fifths of their number in the Battle of the Hürtgen forest the 28th prepared to move out east to meet their adversaries.

At his HQ, in the northern Luxembourg town of Wiltz, D-Day hero General ‘Dutch’ Cota attempted to relay information to Middleton who now faced the arduous task of formulating a cohesive plan to preserve and maintain his wafer-thin defences against this increasingly threatening tirade of Nazi troops and armour. He instinctively knew that he needed to slow or stem the advance and buy time for the 1st and 3rd Armies to get into the line.

While the 9th Armored Division’s CCR (Combat Command Reserve) covered the left flank of the 4th Infantry Division in Luxembourg, the 28th Infantry Division straddled the Our River and attempted to hold the centre ground. Just to the



north of their position was the inexperienced 106th Infantry Division covering an area that extended almost 26 miles right up to the VIII Corps boundary with V Corps. Despite being unaware of the magnitude of the German attack Middleton managed to organise his thin defences in such a way that they would inevitably stagger and frustrate the enemy advance. When Manteuffel said after the war that German momentum began to dissipate in some sectors in those first crucial 24 hours, this can largely be attributed to Middleton's efforts.

Sending in the Tiger Division

Up until 16 December SHAEF had considered the Ardennes as the quiet sector where very little had transpired up until that juncture. On the Luxembourg/Germany frontier the 28th's 110th Regiment was covering over 11 miles in the centre of the division sector. Like the 106th Infantry Division in the northern sector they were strung out far too thin to offer any concerted resistance. As overwhelming waves of German troops and armour struck out west in an attempt to reach the River Meuse the American line gradually began to disintegrate. They were being attacked by General Hasso von Manteuffel's 5th Panzer Army, which was the least provisioned but the best led of all three German armies that had launched at 5.30am with the vain objective of eliminating all Allied resistance and re-taking the port city of Antwerp.

During that first day of the assault five German divisions swarmed across the Our River that snaked along the Luxembourg German border roughly 25 miles east of Bastogne. Two Panzer corps on Manteuffel's left flank soon devastated the thin lines of the 28th Division. On 16 December German forces on the Wiltz-Bastogne road had progressed rapidly and by late afternoon they were close to the city. The first German bomb to hit Bastogne impacted just outside the church of Saint Peter around midday.

The 10th Armored Division war room ticker clicked into life at 3.30am on 17 December as movement orders began to arrive. At that time the division was in the northern French town of Rémeling recuperating after heavy fighting around Metz. On receiving the news commanding officer of Combat Command B, 54-year-old Colonel William L. Roberts wasted no time in assembling his officers for an urgent briefing. The bespectacled Roberts had a sallow complexion and a demeanour more reminiscent of a funeral director than an army commander. He was known as a dour, feisty individual who never shied away from a fight. One of his subordinates, young Major William R. Desobry, known as Des to his friends, furrowed his brow as Roberts explained the urgency of the situation developing further north in the Ardennes region. Desobry's face and gaunt features made him appear considerably older than his 26 years. Lieutenant Colonel Henry T. Cherry and 'Smiling' Lt. Col. James O'Hara were also present. Cherry

was known to be a strict disciplinarian who didn't lend his military acumen to spontaneous improvisation and preferred doing things by the book. The eldest of the three 'Team' commanders, he admired General Patton greatly and to some extent attempted to emulate him. O'Hara smiled. Even when the November rains had inundated the battlefields and the fighting had intensified around Metz, O'Hara had always sported a wide toothy grin that accentuated the roundness of his ruddy complexion. While some of his fellow officers found his smile reassuring and inspiring, others regarded it as downright disturbing.

"Move at a moment's notice"

"Hell Colonel, we're Patton's 3rd Army but when we get up there we'll be 1st Army," moaned Desobry while shaking his head. Roberts peered above his glasses, "I don't think that will be a primary concern when you meet the enemy Des." The colonel wasn't entirely sure what to make of the recent reports, but an uncomfortable feeling in his lower abdomen indicated that if his instincts were right all was not well. He rose to his feet and addressed all three officers, "Get the men ready to move at a moment's notice." With a dismissive wave he concluded the meeting and sat down again to peruse the maps laid out on his desk. Later on that same bitterly cold morning as the first hesitant rays of daylight began to illuminate the horizon of 10th Armored division's camp, reveille was accompanied by rousing calls

THE 10TH ARMORED DIVISION

Activated at Fort Benning, Georgia. 15 July 1942. The 10th Armored Division was assigned to Patton's 3rd Army on arriving at Cherbourg on 23 September 1944

While the US 10th Armored Division's Combat Command A were ordered to join the 4th Infantry Division at Echternach in Luxembourg to stem the attack of Brandenberger's 7th Panzer Army. Combat Command B was dispatched to Bastogne. They were the first of Patton's 3rd Army units to reach there December 18, 1944 and would precede the arrival of the 101st Airborne by about eight hours.

"When we arrived in Bastogne it was quite quiet and there were no civilians around," said Earl van Gorp, D Company, 3rd Tank Battalion. The civilians who hadn't managed to escape the city had taken to their cellars in anticipation of the approaching German offensive.

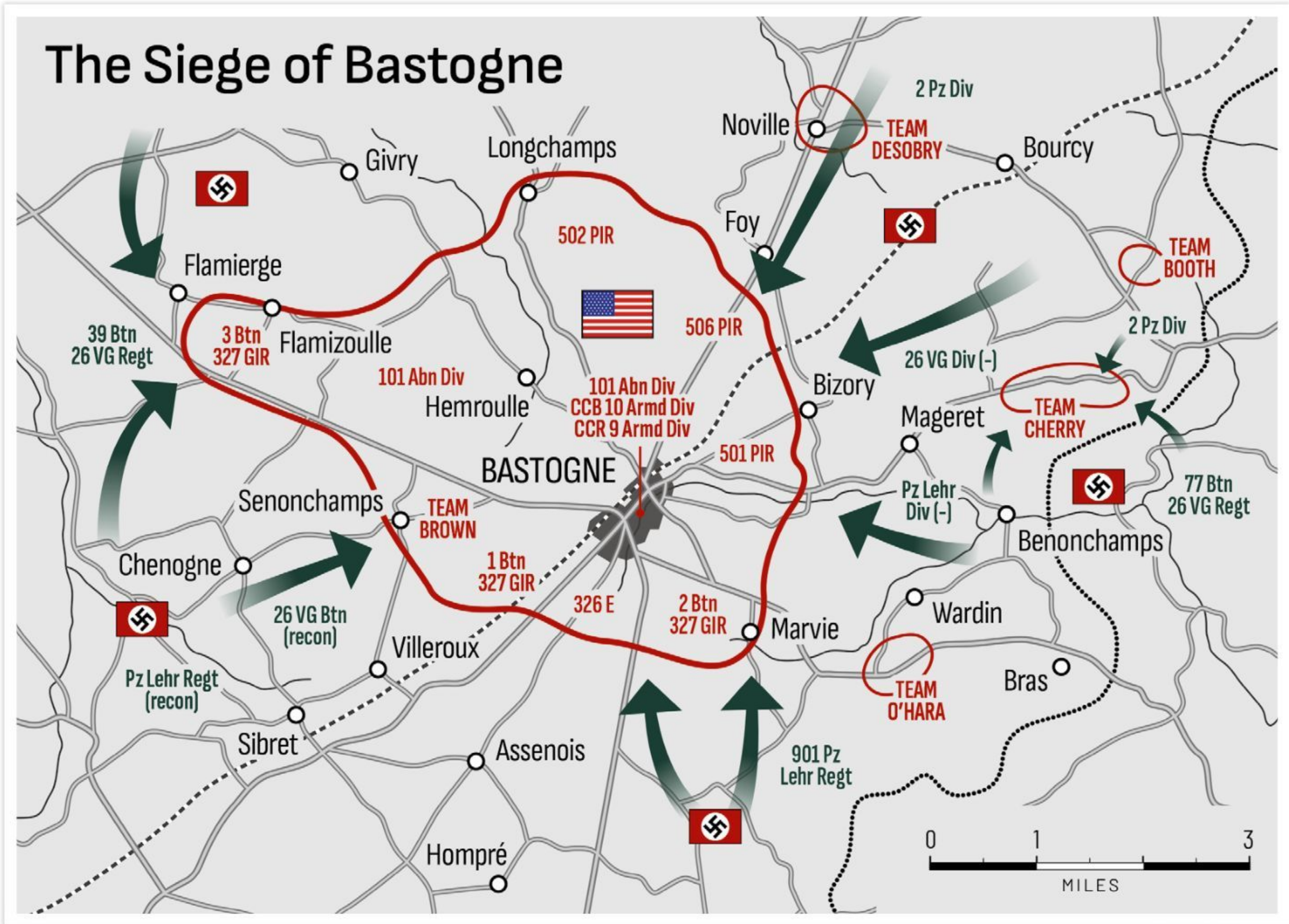
The 10th Armored Division nicknamed 'The Tiger Division' had arrived in Europe that September and had actively participated in Patton's punitive battles

around Metz. When the three CCB teams arrived in Bastogne they were sent out to block three primary approach roads against overwhelming numbers of attacking German forces of Manteuffel's 5th Panzer Army. During those first integral 48 hours, although heavily outnumbered, they tenaciously refused to concede a single inch of ground and inflicted terrible casualties on the Germans. When the city became surrounded, survivors from Team Desobry and Team Cherry became Bastogne's 'fire brigade', a mobile reserve ready to strike where and when they were needed. Their fight didn't end when Patton's 4th Armored division entered Bastogne on the afternoon of 26 December. The CCB would provide additional armoured support and assist in deterring successive attempts by the Germans to take Bastogne until 18 January 1945.

**"ALTHOUGH HEAVILY OUTNUMBERED THEY
TENACIOUSLY REFUSED TO CONCEDE A SINGLE
INCH OF GROUND AND INFLECTED TERRIBLE
CASUALTIES ON THE GERMANS"**

*Infantryman pauses
in advance through
a forest during the
Ardennes-Alsace
campaign*

Image: Alamy



“THE CRISP DAWN AIR WAS SOON IMBIBED WITH CHOKING BLACK EXHAUST FUMES AS A PLETHORA OF OLIVE DRAB PAINTED MILITARY ENGINES SHUDDERED AND GROANED LETHARGICALLY TO LIFE”

to action. Within minutes frenzied activity erupted across the whole encampment.

Stubble-faced GIs with heavy lidded eyes began laboriously loading up supplies of arms and ammunition onto various forms of transport in preparation for an imminent move north to Bastogne. The crisp dawn air was soon imbibed with choking black exhaust fumes as a plethora of olive drab painted military engines shuddered and groaned lethargically to life. M3 halftracks, M4 Sherman tanks, M10 and M18 tank destroyers began carving deep furrows through the hoar frost as they formed up the column to begin the ride north. By 1.20pm on 17 December, in compliance with orders, Combat Command B, 10th Armored Division was making its first tentative steps toward Bastogne. Something big was happening up there.

Three teams, one aim

Major Willis D. ‘Crit’ Crittenberger, HQ battery, 420th Armored field artillery battalion said, “We heard about the Bulge because we always tuned our halftrack radios to the BBC. Around 2.00am we got a warning order from Division HQ saying they were getting ready to go north. Then at 8.00am we got our orders to be part of CCB and go to Bastogne. On the 17th we drove 60 miles up to Luxembourg and stayed overnight.”

Robert’s Combat Command B (CCB) numbering just 2,700 men would be divided into three teams each named after their appointed commander. On

the late afternoon of 18 December CCB arrived in Bastogne and Roberts promptly reported to Middleton, who issued specific instructions to organise roadblocks at the three main approaches to the city. While Team Desobry headed three miles straight north to Noville, Team Cherry wheeled east to Longvilly and Team O’Hara pivoted southeast to Bras. The remaining CCB forces were kept in Luxembourg to prevent the Germans from hitting Bastogne from the south. These three teams would be the first line of defence around Bastogne until reinforcements arrived.

Wayne Wickert of C Company, 55th Armored Engineer Battalion, 10th Armored Division joined Team Cherry out at Longvilly. He recalled, “When we arrived at Longvilly, a captain asked me, ‘Are you an engineer?’ ‘Yes, sir,’ I replied. ‘In that case I may have a bridge for you to blow up’. In my truck I had about 25 landmines with 8lbs of TNT, and pipes full of TNT in it to shove into roadblocks to clear the way, [I also had] a couple of five-gallon cans of TNT for bridges. When the Germans began firing I went across the road and got up a real steep hill on the hill because the Germans were aiming at my truck. I got behind an evergreen tree, and I lay down in a prone position with my rifle. Next thing I knew I felt something on my neck, and I thought I was going to get the bayonet. When I pulled myself up my arm started flapping around, shrapnel had hit me. Then as small arms tore up the ground medics

just grabbed my shirt and started running down the hill, and they were not a bit careful. I was holding my arm, and the bone was sticking out as they carried me down [and] the bone got stuck on a tree.

“I jumped on a halftrack and held on but asked if I could sit down, I was exhausted. I backed up to the door as blood congealed in my sleeve. There was a solid clot of blood that slid out, and when it hit the floor, the radioman threw up. As he jumped outside a machine-gun cut loose, and I could hear the tinning on the side of the halftrack. There was a tank there, a Sherman, which silenced the machine-gun. When I got to an aid station in a house, they put some dressing and a steel rod on my arm, and wrapped it up close to my body. A medic stuck a needle in my vein that was spurting, and I was going to ask him about the needle, but I passed out. When I woke up, the first thing I looked for was my arm, which thankfully was still attached. I received seven pints of blood after that and was transferred to England.”

“Hold at all costs”

After his meeting with Middleton during the late afternoon of 18 December, Roberts connected with the vanguard of his column one mile south of the city whereupon, after briefly scanning a map and choosing a favourable position for the armoured artillery, he relayed Middleton’s orders to the respective team commanders. Physically getting into the city was no easy matter because access to the southern approach roads was becoming severely impeded by corps personnel and an increasing number of stragglers homing in from the east. Some of these were assigned as military police to supplement the MPs already assigned to CCB. They would be dispatched to intersections to the south and southeast of Bastogne armed with strict instruction to prevent any soldiers attempting to escape the coming battle and turn them back to the CCB area.

At 6.15pm as the long winter night descended on Bastogne CCB, now under the direct control of VIII Corps, were provided with additional units, the 35th and 158th combat engineer battalions to augment their forces. These two units were designated as infantry to enhance the defence of the city. Remnants of various other units who were drifting back to Bastogne would be allocated later. Roberts sent out a detail to retrieve these stragglers and billet them at locations in proximity to his CP at the Hotel LeBrun on the Rue Marche just a few yards from the city’s main square. He managed to assemble around 250 men, mostly from the 28th Infantry Division and some from the 9th Armored Division. Collectively this ad hoc reserve became known as the SNAFU unit (Situation Normal All Fouled Up).

The three teams, supported by three batteries of the 420th Armored Field artillery battalion, would be tasked with establishing defensive blocking positions to hinder or prevent the advancing enemy forces from capturing this key



*Tanks and infantrymen of
the 82nd Airborne Division
push through the snow in
Belgium, December 1944*

THE END NEARS

city, with specific instructions from Middleton to “hold at all costs”. They would face the full force of that German onslaught alone until reinforcements from one of the airborne divisions reached the city.

“When we got into Noville around midnight we heard that the enemy was coming down the road and they fired on the outpost,” said Jerry Goolkasian, B Company, 3rd Tank Battalion, “This was the first connection with the Germans around the area of Bastogne on the night of the 18th. The Germans pulled back because they believed they had run into a bigger force than they actually had. The halftrack behind us got hit and that was flaring up all night. Ziggy, my driver, and I got some .50 calibre ammunition from the burning halftrack because we were desperate for ammunition.”

“Never heard of Bastogne”

Precisely why Bastogne was so important to the Germans became self evident during the battle. OKW had identified the strategic location of the city during the initial planning stages for the offensive. It had been generally agreed that the two key cities of Bastogne and St Vith needed to be taken within the first 24 hours of the offensive if they were to succeed in their intended objective of recapturing Antwerp. Many of Hitler’s generals at the time had been reduced to obsequious nodding sycophants who didn’t dare to voice their

reservations about the plan known as ‘Wacht am Rhein’ (Watch on the Rhein). Field Marshal Otto Moritz Walter Model was one of the very few who openly disagreed with the whole plan at a time when Hitler’s temperament was at best unpredictable and at worst murderous.

One of the reasons for this may have been the abortive attempt on his life that occurred in July 1944 instigated by General Von Stauffenberg and other high-ranking military men. It was while recuperating from injuries sustained during this failed assassination attempt that the Fuhrer ruminated on the prospects of going on the offensive in the west. General Hasso-Eccard Freiherr Von Manteuffel, general of the 5th Army, also harboured serious reservations, which he voiced to Von Rundstedt who secretly concurred but neither dared to openly state their opinions. The semantics and machinations of the planned Nazi offensive were superfluous to the 10th Armored CCB as the teams arrived to take up positions at their pre-designated locations.

“I remember going through the town of Arlon in the afternoon of December 18th it was a scene out of a Christmas card. It was snowing, but the Christmas lights were on, people were shopping and it was about the prettiest scene you could ever imagine. After passing through Arlon we made a turn in the road and the truck headlights showed a sign saying ‘Bastogne’,

white letters on a dark blue background. I had never heard of Bastogne, but something told me that it was a name that I would never forget,” recalled Phil Burge, C Company, 55th Armored Engineer Battalion. “We reached Bastogne by 7.00 or 8.00pm, we spent the first night in the railroad station.”

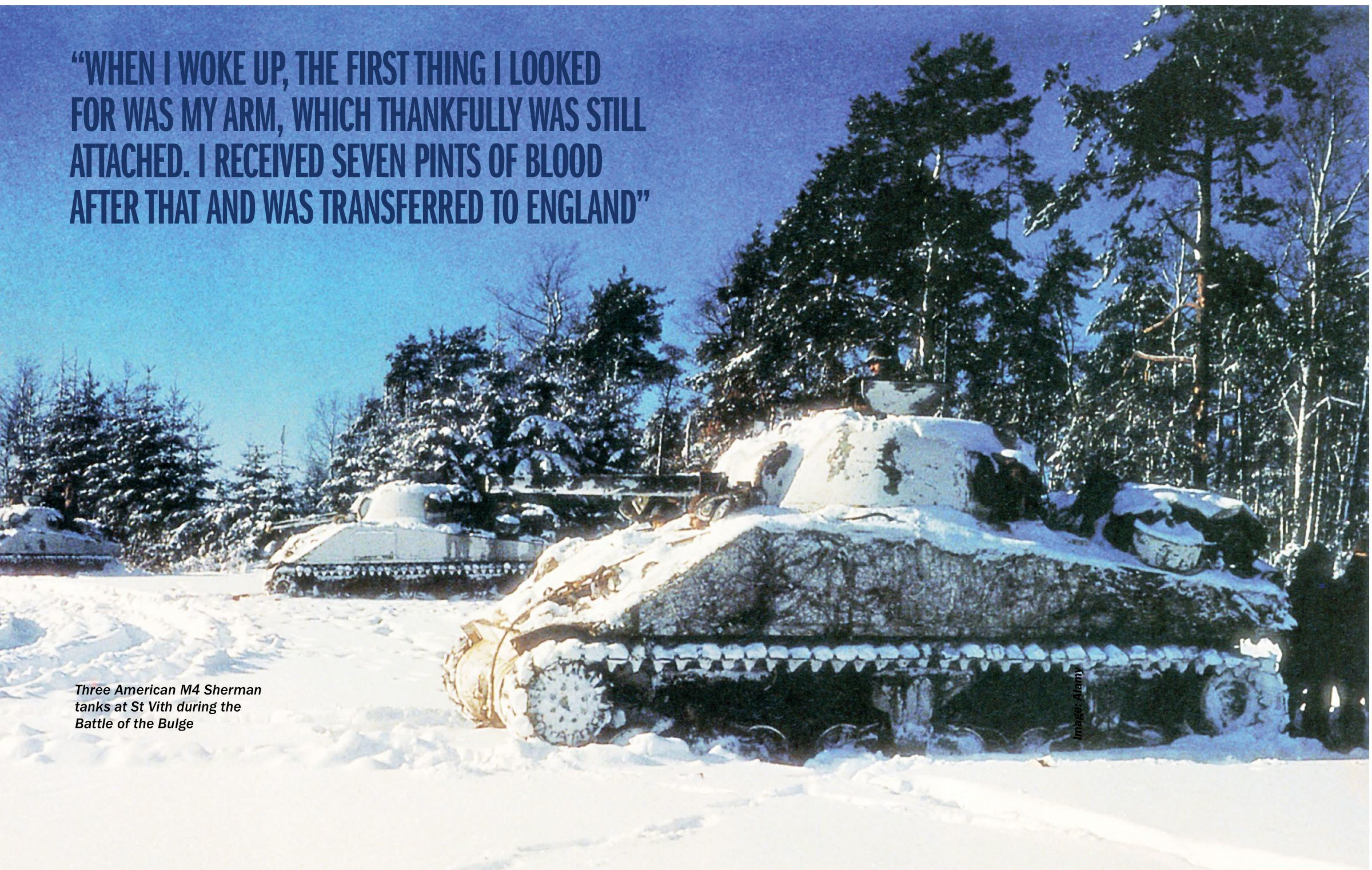
“Put those tank destroyers on point and gather all the ammo you can lay your hands on. Good luck and God be with you,” shouted Major William Desobry to his advance guard, comprising of an intelligence and reconnaissance Platoon, 20th AIB, and a section of 1st Platoon, troop D, 90th Cavalry Reconnaissance Squadron (CRS). They had entered Noville at around 10.00pm. At the time nobody suspected that the ‘perfect storm’ was about to break. A soldier from an armoured platoon that had fallen back into Noville near midnight provided Desobry with a graphic description of the enemy forces moving in their direction, and added, “The whole goddam German army is heading this way major.”

In the thick of the fog

Team Cherry had been warned that they might encounter elements of the US 9th Armored Division’s CCR along the way. When they arrived in Longvilly they were dismayed to discover the whole village jam-packed with CCR vehicles retreating in apparent disorder. Tanks, trucks

“WHEN I WOKE UP, THE FIRST THING I LOOKED FOR WAS MY ARM, WHICH THANKFULLY WAS STILL ATTACHED. I RECEIVED SEVEN PINTS OF BLOOD AFTER THAT AND WAS TRANSFERRED TO ENGLAND”

Three American M4 Sherman tanks at St Vith during the Battle of the Bulge



and troop-filled halftracks produced a nigh on impossible traffic situation on the narrow approach road as Team Cherry endeavoured to get up to the line. The 9th Armored had been badly mauled while attempting to stem the German advance and had suffered terrible casualties, but it had been a valiant effort. "When anyone asks me where I was during the battle I tell them 'hell I was everywhere'," said Bob Sheehan veteran of the 9th Armored.

Just three miles southeast of Bastogne in the village of Wardin, Team O'Hara established a road block on the high ground but the elevation didn't provide any real advantage due to the all-encompassing fog that reduced visibility to ten yards in some places. They had no idea that they were in the path of General Fritz Bayerlein's dreaded Panzer Lehr and General Kokott's 26th Volksgrenadier division currently striking out for Bastogne from the east.

All three team commanders were essentially faced with the same inclement weather problem. One Belgian/Congolese nurse named Augusta Chiwy who had returned from up north to spend Christmas with her father in Bastogne described the weather, "The fog was so thick you could cut it with a knife." As long as it persisted tactical air support was impossible. This 'Hitler Weather' was a potentially serious impediment, but some US forces managed to turn it to their advantage.

"They didn't know how many we had and we didn't know how many they had, we just had to fight like hell and hope for the best," said Bob Parker, C Company, 21st Tank Battalion. "There were a couple of divisions that had been overrun and they were retreating back through our lines. We had set up a roadblock and the next thing I knew I saw, something similar to our halftrack or a truck, I shot it and I hit it. We lost a couple of tanks that first day. I think we had three left in our platoon at the end." Bob would later be re-assigned to Team SNAFU.

The 101st Airborne 'Screaming Eagles' were originally designated to go to Werbomont on the northern shoulder to check the advance of the SS in that sector, but were redirected to Bastogne when the 82nd Airborne got ahead of them on the road north through Luxembourg. With the commander General Maxwell Taylor back in Washington, DC, attending a conference, Brigadier General Anthony McAuliffe assumed command of the division. As lead elements of the 101st Airborne Division reached Bastogne late on 18 December McAuliffe immediately went to VIII Corps headquarters in Bastogne to talk with Middleton. The 101st received direct orders to take up positions in support of the CCB teams who were already in place.

Desobry said, "O'Hara had been sent out to the southeast to block a road coming to the

US soldiers fire at German positions to relieve besieged airborne troops in Bastogne, Belgium



Image: Alamy

HEROES OF BASTOGNE

The Battle of the Bulge called upon many acts of heroism



PT. JOHN SCHAFFNER.
SCOUT 589TH FAB, 106TH INFANTRY DIVISION
Two regiments of the 106th Infantry Division, around 6,800 surrendered. Schaffner was one of the lucky ones. His unit managed to escape and fight on.



CLAIR BENNETT, F COMPANY, 90TH CAVALRY RECONNAISSANCE SQUADRON (MECHANIZED)
The 90th endured a hard fight out at Longvilly but by 28 December the 1st and 2nd platoons had been assigned as mobile reserve for Team Cherry.



LIEUTENANT GENERAL TROY HOUSTON MIDDLETON AND GENERAL EISENHOWER
Both General Patton and General Bradley requested Troy Middleton's assistance. His abilities as a military tactician were in great demand at SHAEF.



COLONEL WILLIAM LYNN ROBERTS COMMANDER CCB, 10TH ARMORED DIVISION
On 20 December Middleton told Roberts, "Your work has been quite satisfactory." From that point on CCB were attached to the 101st Airborne Division.



MAJOR WILLIAM DESOBRY 'TEAM DESOBRY'
After the Battle of the Bulge Desobry went on to become a two-star major general and served during the Vietnam War. He retired in 1975.



LIEUTENANT COLONEL HENRY THOMAS CHERRY, JR. 'TEAM CHERRY'
Cherry was a West Point graduate who did things by the book, widely regarded as an excellent tank tactician he died in 1953 while serving as a US Army colonel.



LIEUTENANT 'SMILING' JAMES O'HARA. TEAM O'HARA
Lieutenant James O'Hara was awarded the Silver Star for conspicuous gallantry and intrepidity while serving with the 10th Armored Division during World War II.

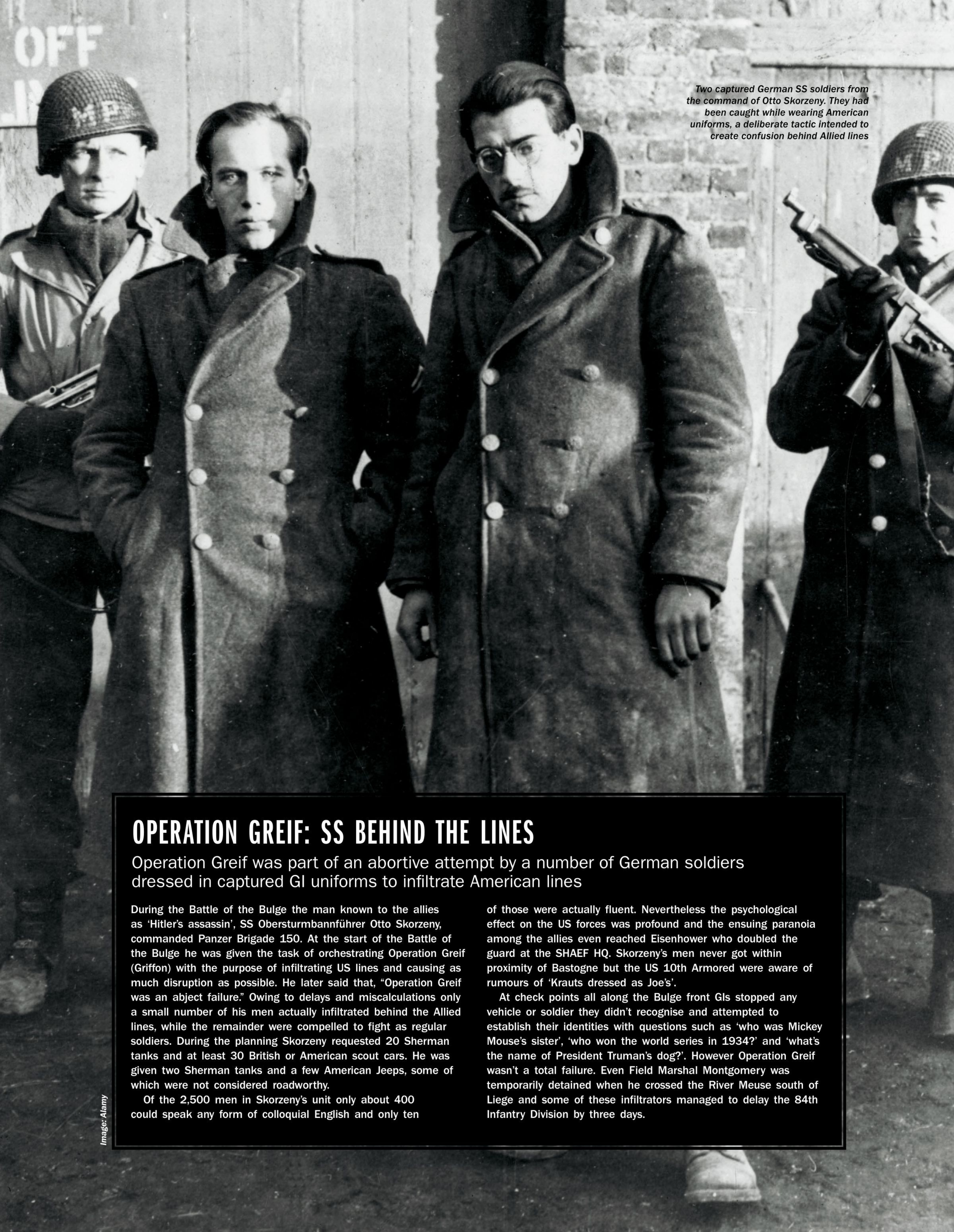


MAJOR WILLIS D. 'CRIT' CRITTENBERGER JR, HQ BATTERY 420TH AFAB
Crittenberger Jr. was promoted to lieutenant colonel on Christmas Eve 1944 by General Patton, who also awarded him a Legion of Merit.



PHILIP WILLIAM 'PHIL' BURGE C COMPANY, 55TH ARMORED ENGINEER BATTALION
Phil became the secretary of the 10th Armored Division Association and returned to Bastogne many times before he passed away 9 March 2018.

Images: Michael Collins 10th Armored Division Historian, Martin King, National Archives



Two captured German SS soldiers from the command of Otto Skorzeny. They had been caught while wearing American uniforms, a deliberate tactic intended to create confusion behind Allied lines

OPERATION GREIF: SS BEHIND THE LINES

Operation Greif was part of an abortive attempt by a number of German soldiers dressed in captured GI uniforms to infiltrate American lines

During the Battle of the Bulge the man known to the allies as 'Hitler's assassin', SS Obersturmbannführer Otto Skorzeny, commanded Panzer Brigade 150. At the start of the Battle of the Bulge he was given the task of orchestrating Operation Greif (Griffon) with the purpose of infiltrating US lines and causing as much disruption as possible. He later said that, "Operation Greif was an abject failure." Owing to delays and miscalculations only a small number of his men actually infiltrated behind the Allied lines, while the remainder were compelled to fight as regular soldiers. During the planning Skorzeny requested 20 Sherman tanks and at least 30 British or American scout cars. He was given two Sherman tanks and a few American Jeeps, some of which were not considered roadworthy.

Of the 2,500 men in Skorzeny's unit only about 400 could speak any form of colloquial English and only ten

of those were actually fluent. Nevertheless the psychological effect on the US forces was profound and the ensuing paranoia among the allies even reached Eisenhower who doubled the guard at the SHAEF HQ. Skorzeny's men never got within proximity of Bastogne but the US 10th Armored were aware of rumours of 'Krauts dressed as Joe's'.

At check points all along the Bulge front GIs stopped any vehicle or soldier they didn't recognise and attempted to establish their identities with questions such as 'who was Mickey Mouse's sister', 'who won the world series in 1934?' and 'what's the name of President Truman's dog?'. However Operation Greif wasn't a total failure. Even Field Marshal Montgomery was temporarily detained when he crossed the River Meuse south of Liege and some of these infiltrators managed to delay the 84th Infantry Division by three days.



German troops
advancing past
abandoned
American
equipment

town of Wiltz which was a high speed road, and Cherry was moving out to the town of Longvilly to block that road, and I was going due north to a town of Noville and I was to block that road. They really didn't know what the situation was, except the Germans had broken through the 28th Division and somewhere to the east of us; that Germans were using American equipment and some of them were dressed in American uniforms and some of them civilian uniforms. So you had to watch out for that."

A company of paratroopers from the 1st battalion, 506th, commanded by Lieutenant LaPrade was ordered up to Noville to assist Team Desobry. When they arrived a slight altercation occurred between LaPrade and Desobry's regarding who was in charge. Such details were superfluous to Phil Burge as he observed the paratroopers arriving in Bastogne, "They had come in by truck, since it was impossible to drop them in by air. Eventually the whole division of the 101st Airborne was in Bastogne. But we were there first."

Ten to one against

The fighting in Noville began in earnest at 5.30am on 19 December when a group of German 2nd Panzer Division halftracks emerged from the fog. GIs manning an outpost on the Bourcy road that converged on the village of Noville couldn't determine whether they were

friend or foe. In an attempt to discover the identity of the approaching vehicles a GI sentry shouted 'Halt!' four times. Suddenly a voice responded in German. That was the timely cue for Desobry's men to shower the lead vehicle with hand grenades. Several explosions followed as agonised, feral howls of pain and derision emanated from the halftrack as spurts of blood and severed limbs were ejected into the freezing air. The GIs immediately dispatched the bloodied survivors who attempted to crawl out. Close-quarter fighting ensued for around 20 minutes as the opposing forces hammered away with grenades and small arms. It was 'game on'.

Despite overwhelming odds of around ten to one, in two days team Desobry disabled 31 tanks and halted the entire 2nd German Panzer Division, which had assumed it was opposing a much stronger force. During the fighting Desobry was wounded and captured and LaPrade was killed outright when a bomb impacted their CP. Col. Roberts repeatedly refused to give Desobry permission to fall back on Bastogne even when he was personally visited by Desobry, whose left eyeball was resting on his cheek due to the percussion from the blast that destroyed his CP. On 20 December Roberts finally acquiesced.

On 21 December the survivors of Team Cherry were ordered back to Bastogne and assigned to 101st Airborne Division's mobile reserve. Team O'Hara held out until Patton's 3rd Army arrived

on 26 December. All three team leaders survived the battle.

General Troy Middleton's expert delaying tactics and the 10th Armored CCB teams severely disrupted the German timetable. Bastogne would hold against repeated German attacks and the gargantuan efforts of the men who got there first would be overshadowed by the exploits of the 101st Airborne Division.

General McAuliffe would later remark, "It seems regrettable to me that Combat command B of the 10th Armored division didn't get the credit it deserved at Bastogne. All the newspaper and radio talk was about the paratroopers.

"Actually the 10th Armored division was in there a day before we were and had some very hard fighting before we ever got into it, and I sincerely believe that we would never have been able to get into Bastogne if it had not been for the defensive fighting of the three elements of the 10th Armored division who were first into Bastogne and protected the town from invasion by the Germans."

The 10th Armored Division left Bastogne for good on 17 and 18 January and headed to the Saar-Moselle triangle to continue their fight against the Third Reich. They would fight on through Germany and eventually cross the Danube in Czechoslovakia with Patton's 3rd Army. When the war concluded they were in the Austrian Alps 20 miles from Innsbruck.

THE END NEARS

IWO JIMA

IWO JIMA, SOUTH PACIFIC 19 FEBRUARY – 26 MARCH 1945

After an arduous slog through the Pacific, US Marines mounted one final assault on Japanese forces in an attempt to unlock the mainland

WORDS JOSH BARNETT





The US Navy Sixth Fleet photographed during the Battle of Iwo Jima



After the decisive naval victory at the Battle of Midway in June 1942 (the first significant triumph in the Pacific for the Allies since Japan instigated the war at Pearl Harbor in December 1941), the US Navy was afforded some time to rebuild during 1943. Ships were in need of repair and refitting, seamen and ground troops required rest, and armaments needed replenishing.

It was during this lull that Chief of Command for the US's Pacific Fleet, Admiral Chester W. Nimitz, refocused the tactics employed against the Japanese in the Pacific. Rather than take on the enemy direct, a campaign of island-hopping was instigated. Imperial forces had become heavily entrenched on certain key islands, making them difficult and costly targets for the Allies to capture. Instead, Nimitz's plan was to skirt around this nuclei, taking the less fortified islands in the Pacific as the US advanced towards the Japanese home islands.

The war was taking its toll on the Japanese as the US gained the upper hand in both the sea and the air. To make matters worse, Japanese cyphers were easily decoded by US intelligence, who kept

Allied forces one step ahead of their enemy at all times. It was this advantage that led to the death of Marshal Admiral Isoroku Yamamoto (Nimitz's opposite number) in April 1943.

After the Japanese defeat at Guadalcanal, Yamamoto decided to go on a moral-boosting inspection of the South Pacific. Word of the Japanese Commander in Chief's plans reached US Navy intelligence, leading President Franklin D. Roosevelt to give the order: "Get Yamamoto". On the morning of 18 April 1943, the commander's plane was shot down by US forces, dealing an embarrassing blow to the Imperial Japanese Navy.

By April 1944, with momentum firmly on their side, US forces recaptured the Marshall Islands. Later the same year, it was the turn of the Mariana and Caroline Islands to fall into Allied hands, as plans for the invasion of Okinawa continued apace. The Japanese mainland was, metaphorically, in sight, with just one remaining target: Iwo Jima.

Located 1,200 kilometres south of Tokyo in the Volcanic Islands cluster, Iwo Jima was home to two Japanese airstrips (with a third under construction at the north end of the island). The

United States believed this small island, just 20 square kilometres in size, to be a strategic necessity for mainland attacks. If it could be captured, the island would be used as a base for escort fighters, as well as a landing patch for damaged B-29 bombers returning from the mainland.

The Japanese had also recognised the importance of Iwo Jima and, under the command of General Tadamichi Kuribayashi, began constructing numerous inland bunkers in the summer of 1944, a noted departure from the usual beach fortifications used by the Imperial Japanese forces. US aerial and submarine reconnaissance showed the supposed scale, with 642 pillboxes, blockhouses and other gun positions identified prior to the assault.

A summer-long barrage designed to incapacitate the staunch Japanese defences ensued. For 74 days straight, US bombers pummelled this tiny blot of volcanic rock, while in the 72 hours running up to the invasion, the US Navy peppered Iwo Jima with shells, shattering the peace of this once idyllic South Pacific island.

The invasion begins

Codenamed 'Operation Detachment', the invasion proper began on 19 February 1945. The assault was tasked to the V Amphibious Marine Corps, led by General Holland 'Howlin' Mad' Smith, Commanding General for the expeditionary troops once ashore. H-Hour was set for 9am, with the initial wave of armoured amphibian tractors

"UNKNOWN TO THE US FORCES, KURIBAYASHI'S 109TH INFANTRY DIVISION WAS HOLED UP IN A NETWORK OF OVER 5,000 CAVES AND 17 KILOMETRES OF TUNNELS"



Once the US Marines established a beachhead, the gradual grinding down of Japanese resistance began

coming ashore at 9.02am followed, three minutes later, by the first troop-carrying vehicles.

Spilling down the ramps, the 4th and 5th Marine Divisions (led by Major General Clifton B Cates and Major General Keller E Rockey respectively) waded through the ankle-deep volcanic ash of Iwo Jima's southwestern shore unopposed. The pre-invasion bombardment appeared to have cleared the island. However, unknown to the US forces, Kuribayashi's 109th Infantry Division was holed up in a network of over 5,000 caves and 17 kilometres of tunnels around Iwo Jima, waiting for the landing force's shelling to cease before showing their resistance.

There were murmurs among the US troops that the Japanese forces had been wiped out as the beach remained eerily quiet – a marked departure from previous infantry battles in the Pacific where shorelines were staunchly defended. The landing plans tasked the 5th Division's 28th Regiment with taking Mount Suribachi, the 554-foot dormant volcano at the island's southern-most tip, by the end of D-Day. Likewise, the 4th Division was scheduled to take Airfield 1 the same day. In the calm of the initial landing, both plans seemed achievable yet, as the leading battalions crested the terrace at the end of the beach, General Kuribayashi gave the order to take up weapons.

The unmistakable chatter of machine gun fire from hidden Japanese emplacements cut down the initial waves of US troops, as artillery and mortar fire now began to pound the beaches. The

soft volcanic soil, churned by the pre-invasion barrage, proved difficult to move through at pace, slowing the US advance. To make matters worse, fortifications on Mount Suribachi (protected by reinforced steel doors) rained down shells on the troops below.

Despite landing some 30,000 men, progress was slow and, by the time the US advance was called to a halt at 6pm, the Marine line fell well short of their D-Day targets. Still, Mount Suribachi's northeastern side had been surrounded by the 28th Regiment. The 5th's 27th Regiment had been able to push towards the northwestern coastline but had taken heavy casualties in doing so, while the 4th Division skirted around Airfield 1's southern perimeter, securing a line towards the quarry near East Boat Basin.

During previous battles, Japanese banzai charges had caused considerable chaos throughout the night and, expecting similar attacks, US forces remained vigilant during darkness. General Kuribayashi did not believe in the usefulness of such tactics, though, feeling the banzai charge was a needless loss of life. This allowed the 3rd Battalion, 13th Marines (the artillery support for the 28th Regiment) to launch mortar and 105mm Howitzer shell attacks on Mount Suribachi during the evening of 19 February in preparation of an ascent the next morning.

Capturing Mount Suribachi

Formulated by the 28th's leader, Colonel Harry B

Liversedge, the 2nd and 3rd Battalions plunged forward at 8.30am on 20 February, with the 1st Battalion remaining in reserve. With regular gunfire proving useless against the Japanese emplacements, US troops turned to their trusty flamethrowers and grenades to flush defenders out of their foxholes. However, the Japanese (thanks to their comprehensive tunnel network) soon re-manned each supposedly clear pillbox. It would be a tactic that kept US forces fighting on all fronts across the island, keeping the Marines' progress to a minimum.

Just 200 yards of Mount Suribachi had been taken by 5pm on D+1. The following day, Liversedge's Marines attacked again after a 40-plane airstrike. With all three battalions heaving forward on one front, and with effective support from tanks and artillery, the 28th Regiment surged to the foot of the mountain. With the naval support covering the western side, the Marines had Suribachi surrounded by 22 February.

Finally, a day later, after recon from 2nd Battalion, a 40-man combat patrol was sent to the summit upon the orders of Lieutenant Colonel Chandler W Johnson. Under the command of First Lieutenant Harold G Schrier, they stormed the summit, raising a small US flag while under intense fire from the remaining Japanese troops. Later that day, a larger flag would be raised in order to boost the morale of Marines across the island.

While the 28th Marine Regiment was still on Suribachi, the 26th and 27th Regiments of the

THE END NEARS

5th Division had pushed to Iwo Jima's western coast with suicidal rapidity, beginning their journey to the island's north sector on 20 February. Meanwhile, the 4th Division's 23rd, 24th and 25th Regiments had secured 'Motoyama 1', the southern-most airfield. With the 5th Division surging the Marine line forward by around 1,000 yards, only the 23rd Regiment (fighting on the 4th Division's left flank) could keep advancing at a similar pace.

Compared with the southern half of Iwo Jima, the northern sector was extremely well fortified, thanks to the efforts of Kuribayashi's men during that summer of 1944. The US Marines were finding the rocky terrain tough to negotiate, with every cleared pillbox and fortification soon reoccupied by Japanese forces, who were putting up a staunch and bloody resistance. Any gain was seemingly met with renewed fire from the shellproof artillery emplacements and well-hidden tanks.

To aid the 4th Division's charge, General Cates called the 21st Regiment of the 3rd Division ashore on 21 February. However, with Japanese forces pinning down the 25th Regiment on the eastern shores, the beach was congested, forcing the 3rd Division's relief through the centre of the Marine Corps line in place of the 23rd Regiment. By the morning of the 22nd, frontline units were beginning to be relieved, with the fresh Marine forces able to grind out short territorial gains. Yet, Kuribayashi's men were alert to the fresh threat, pinning down units that were about to be replaced.

On D+4, V Marine Corps' Major General Harry Schmidt came ashore to survey the damage, ordering an attack the following morning. 24 February dawned with tanks thrusting through towards the second airfield, supported by the 21st Regiment. The 5th Division's tanks flanked Motoyama 2's western edge, while the 4th Division armour edged forward on the airstrip's east perimeter. Aided by a 76-minute naval bombardment, the US Marines were advancing once again.

Into the meat grinder

The same day, the remaining regiments of Major General Graves B Erskine's 3rd Division were committed to Iwo Jima. The veteran division was tasked with advancing through the supposedly flat centre line of the island, going head-on into Kuribayashi's main defensive line on 25 February. With flame-throwing tanks incinerating the enemy (and 50 per cent of the corps' artillery missions aiding the 3rd Division) three days of toil finally paid off on the evening of 27 February.

The Japanese line cracked, and the 9th Regiment found itself controlling two hills north of the second airfield, while the following day, the 21st Regiment stormed through the remnants of Motoyama village to seize two hills commanding over the unfinished airfield three. Elsewhere, the 5th Division had secured 'Hill 362A' after initial

IWO JIMA

19 FEBRUARY-26 MARCH 1945



02 On 22 February, during the siege on Suribachi, the US support carrier, USS Bismarck Sea is sunk after being struck by a string of kamikaze attacks from Japanese planes. A day later, though, Marines raise the flag atop the mountain, with the moment immortalised on camera by Associated Press' Joe Rosenthal.



03 The northern half of the island sees much more Japanese fortification. Many of Baron Nishi's tanks have been buried up to the turret, providing camouflaged emplacements that decimate the 4th Division's progress and require General Erskine's 3rd Division to be brought on shore en masse on D+4.

04 After four days in 'the meat grinder', the Marines focus their efforts on Hill 382, north of the 'amphitheatre'. Naval guns, artillery and air strikes aid the 24th Regiment's attack but, despite gaining a footing on 'Turkey Knob', the US forces have to retreat under the cover of a smoke screen just before dark on 1 March.

05 Finding a 300-strong Japanese stronghold just a few hundred yards from the sea, the 4th Division delays an attack at 7am on 12 March to try and coax the Imperial forces to surrender. However, a problem with the generator-powered loudspeaker sees snipers pick off a number of Marines, provoking the US troops to fight back at 9am with grenades and flamethrowers.

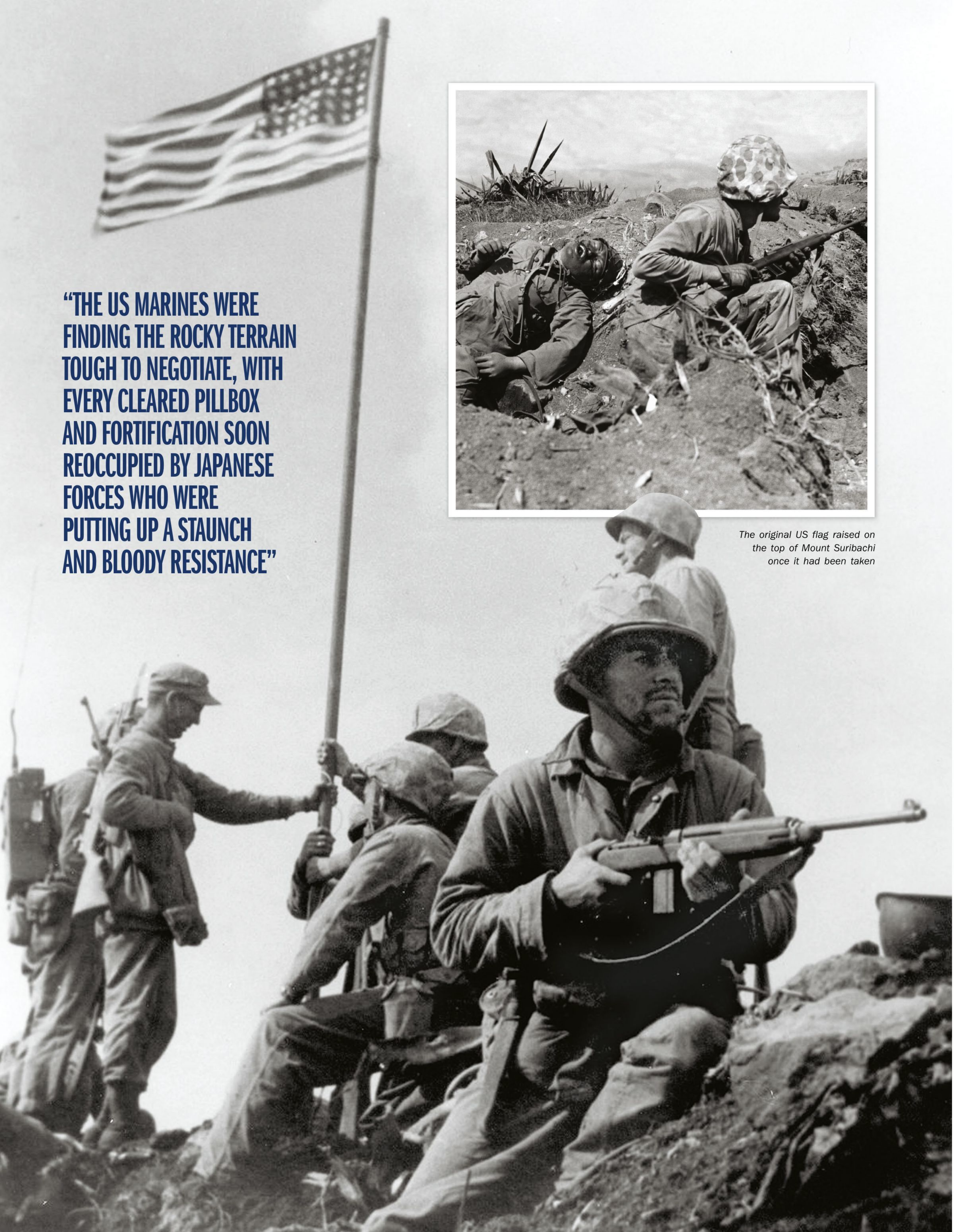
06 With the fighting all but done, the 5th Division's 28th Regiment find themselves faced with a gorge full of caves and some 500 ill-organised Japanese infantry. Two prisoners of war are used to translate a surrender appeal but, despite returning alive, the US troops are forced to pick off Kuribayashi's remaining troops one-by-one.

01 Although the amphibious invasion will begin on Iwo Jima's southern beaches on 19 February 1945, the first US air strike against the island hits the black, volcanic soil on 15 June 1944, with US bombers based in Saipan flying hundreds of offensive sorties.

**“THE US MARINES WERE
FINDING THE ROCKY TERRAIN
TOUGH TO NEGOTIATE, WITH
EVERY CLEARED PILLBOX
AND FORTIFICATION SOON
REOCCUPIED BY JAPANESE
FORCES WHO WERE
PUTTING UP A STAUNCH
AND BLOODY RESISTANCE”**



*The original US flag raised on
the top of Mount Suribachi
once it had been taken*



resistance from the Japanese proved deadly. 224 of the Division's Marines were killed or wounded on 1 March, but the hill's access to Nishi Ridge on the northwest edge of the island was too important to bypass.

While many hills had fallen with relative ease, Hill 382 on the eastern edge of the island was proving a more difficult proposition for the 4th Division. Honeycombed with Kuribayashi's tunnels, the hill's approach was guarded by hidden tanks, while the crest had been fortified into a huge artillery-proof bunker.

South of the hill was a series of ridges, topped by 'Turkey Knob', while further south of this massive rock was a natural bowl known as the 'Amphitheatre'. The fighting here was bloody, with 1 March the fourth day that the division's Marines had hurled themselves at the Japanese forces. Such was the relentlessness of this quadrant, it became known as the 'meat grinder'. It wasn't until 10 March that the Japanese defenders around 'Turkey Knob' were eliminated. Naval fire, carrier air strikes, heavy shelling and many Marine lives were needed before Hill 382 finally fell into US hands.

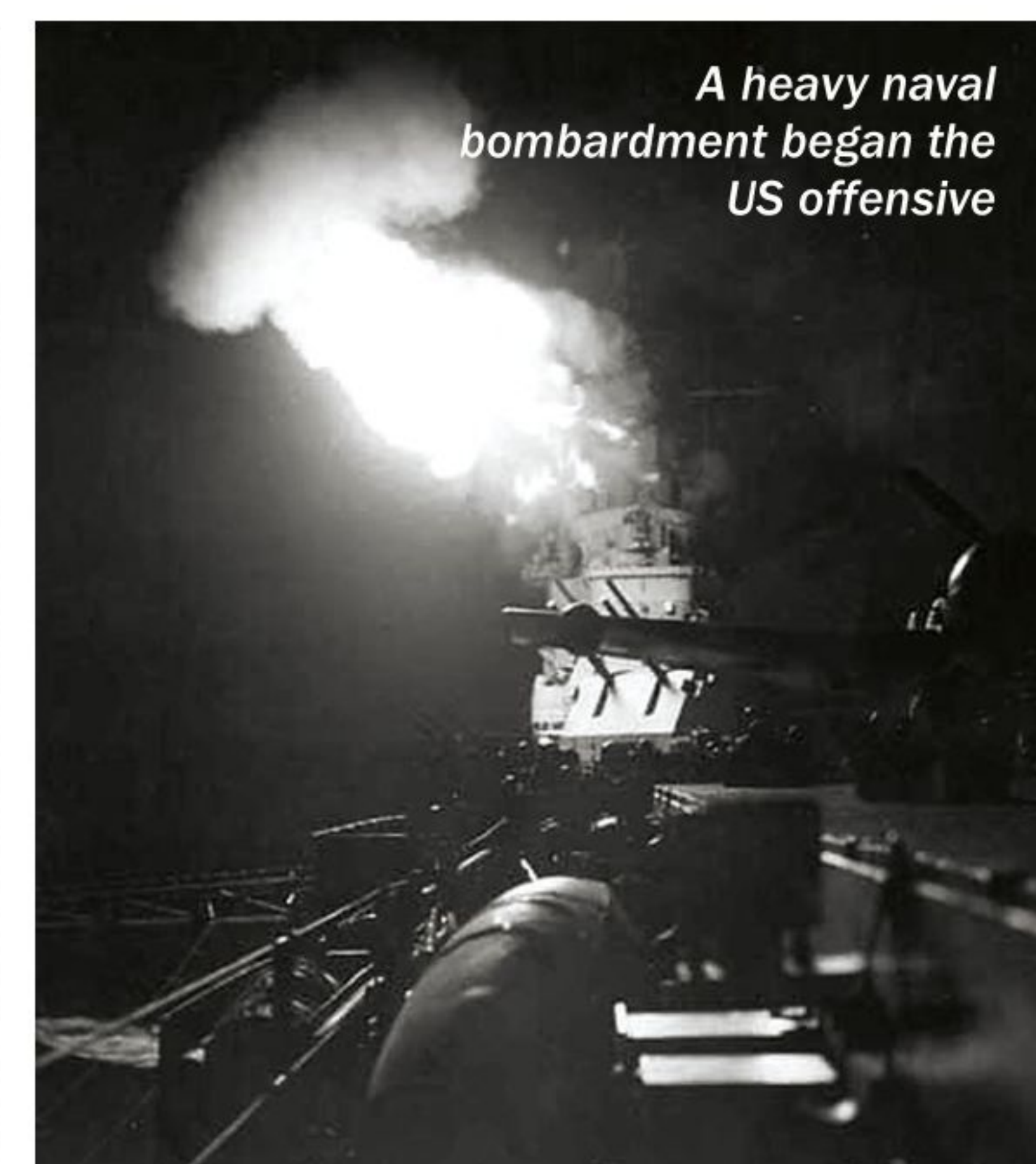
In this time, the 5th Division's 26th Regiment had succeeded in securing 'Hill 362B' on 3 March, before the 3rd Division readied itself for the assault on 'Hill 362C' four days later. Under cover of darkness (a departure from the usual US tactics in the Pacific), General Erskine's men advanced beyond the unsuspecting Japanese forces. It was a blow for General Kuribayashi, yet his men remained to resist strongly in their lasting areas of occupation.

Unfortunately for Imperial Japan, their attacks were becoming increasingly unco-ordinated, allowing patrols from the 3rd Marine Division to reach the northern coast by 9 March. The following evening, there was only one final pocket of Japanese resistance left in the division's sector, although the tunnels underneath the ground gave many more fanatical infantry a hiding place.

In the eastern sector, home of the 4th Division, Japanese troops launched a counterattack on 8 March. Under the cover of heavy artillery fire, the men attacked the Marine forces, worming their way through the 23rd and 24th Regiment's lines. Some attacked with the blood-curdling banzai cry, though many chose a stealthier approach, attempting to impersonate wounded US soldiers. Despite the counterattack's ingenuity, it was an ultimately hopeless effort that saw 650 Japanese killed by noon the following day. The end result was that, on 10 March, the Turkey Knob/ Amphitheatre salient was completely destroyed as Marine forces pushed Kuribayashi's defences right back to the northern coast.

Clearing up the north

For the remainder of Operation Detachment, each Marine division would be faced with isolated pockets of resistance dotted around Iwo Jima. The



3rd Division was tasked with the grim job of destroying a heavily fortified resistance southwest of Hill 362C (eventually achieved on 16 March), while the 4th Division focused on an enemy stronghold between East Boat Basin and Tachiiwa Point.

Across the island, 5th Division bore down on Japanese forces around Kitano Point, the last point of defence in the Iwo Jima campaign. Joined by two battalions of the 3rd Division's 21st Regiment, the final Marine drive began on 11 March with naval shelling and airstrikes. The US artillery again had little impact, though, making initial progress painstaking.

Despite being ravaged since the initial landing on 19 February, the 5th Division carved through 1,000 yards between 14-15 March, as many of the Japanese troops met a fiery end at the hands of the Marines' flame-throwing tanks. The following day, the 21st Regiment flanked the Japanese on the right, providing the US forces with two attack fronts to decimate the remaining Imperial forces.

By 25 March, organised enemy resistance was declared over. However, Kuribayashi's men had one final assault up their sleeve. In the vicinity of Motoyama 2, some 300 men assembled that evening. On the morning of the

26 March 1945, they stormed the US camp, killing sleeping Marines at will until a defensive line was formed by the Americans as dawn broke, sending the remaining Japanese into hiding. After 36 days, the Battle of Iwo Jima became a manhunt, with at least 223 Japanese soldiers hunted and killed. General Kuribayashi was rumoured to have been among those slain, bringing to an end a bloody conflict that saw more than 70,000 Marines deployed.

Of the 20,060 Japanese troops on the island, only 216 were ever captured, with roughly 300 left hiding in the tunnels for the remainder of the war. On the US side, 5,931 Marines were killed, with a further 17,372 injured – the only time in the Pacific Theatre that American casualties outnumbered those of the Japanese. General Holland Smith had "thrown human flesh against reinforced concrete" in taking Iwo Jima. Yet, in the ensuing aerial war against the Japanese mainland, over 2,200 heavy bombers made unscheduled landings on the island's airstrips, saving 24,761 US airmen from potential disaster.

Iwo Jima was a grim yet inspirational victory for the Americans that demoralised their enemy. Mainland Japan had never seemed closer to the United States. A final victory in the Pacific was in sight.

THE END NEARS



OKINAWA

OKINAWA, RYUKYU ISLANDS 1 APRIL - 22 JUNE 1945

The last campaign of World War II in the Pacific required an arduous 82 days for the Allies to claim victory

WORDS MIKE HASKEW

It was a curious coincidence – Operation Iceberg, the Allied invasion of Okinawa, was scheduled for 1 April 1945, both Easter Sunday and April Fool's Day. Short of an invasion of Japan itself, the island in the Ryukyu archipelago was the last objective of the Allied campaign across the Pacific Ocean during World War II. Only 547 kilometres from the Japanese Home Islands, Okinawa would provide the sternest test of the war for the Marine III Amphibious Corps and the US Army's XXIV Corps, comprising the Tenth Army under Lieutenant General Simon Bolivar Buckner, a veteran army officer and the son of a Confederate general from the American Civil War.

The invasion date was designated Love-Day (L-Day) to avoid confusion with the 1944 D-Day landings in France. Actually, the Allied build-up was larger than that of D-Day. The US and British Royal Navies brought 1,300 warships and support vessels along with 750,000 tons of supplies to the waters off Okinawa.

Buckner's Tenth Army included more than 180,000 troops. Marine Major General Roy S Geiger led the III Amphibious Corps, including three divisions – the veteran 1st Marine Division, the 6th, and the 2nd in reserve. Major General John R Hodge commanded the XXIV Army Corps, including four infantry divisions – the 7th, 77th, 96th and reserve 27th.

The recent carnage at Iwo Jima remained fresh in American minds and a bloodbath was also expected at Okinawa. During the week before L-Day, navy guns fired 13,000 shells and carrier-based aircraft flew 3,095 missions. The L-Day landings were to hit the Hagushi beaches on Okinawa's southwestern shore. After the anticipated fight to gain a foothold, the Americans intended to advance eastward across the Ishikawa Peninsula, seizing Yontan and Kadena airfields. Splitting the island in two, they would swing north and south, fighting their way to opposite shores, completing the conquest of Okinawa. Another worrisome aspect of Operation Iceberg was the kamikaze threat to the host of Fifth Fleet ships obliged to remain offshore. Japanese suicide planes were expected to assault these rich targets with unprecedented vigour.

82 days of fighting on Okinawa and the nearby cluster of small islands also seized yielded an immense harvest of destruction. By the time the island was declared secure on 22 June 1945, American deaths totalled 7,374, while 31,807 were wounded and 239 were missing. The navy suffered 4,907 casualties, 120 ships were damaged and 29 had been sunk. Marines and soldiers earned 23 Medals of Honor, many of them posthumous.





Marines of 2nd Battalion, 1st Marines manoeuvre at Wana Ridge. One fires his Thompson submachine gun; the other carries a Browning Automatic Rifle

The Japanese garrison, under Lieutenant General Mitsuru Ushijima, commander of the 32nd Army, fielded over 100,000 troops – only 11,000 prisoners surrendered. A total of 2,373 Kamikaze pilots died and thousands of sailors perished in the Imperial Japanese Navy's last substantial offensive action of the war. Many died when the super battleship Yamato sank under a fusillade of bombs and aerial torpedoes. An estimated 150,000 Okinawan civilians lost their lives.

Under a canopy of aircraft and naval bombardment, the invasion rolled forward on the morning of 1 April, landing craft engines stirring white wakes extending 12 kilometres across. Virtually no resistance was encountered. By the end of L-Day, 60,000 American troops occupied a beachhead 4,600 metres deep and 14,000 metres wide. 28 men were killed, 104 wounded, and 27 missing.

Ushijima watched the awe-inspiring sight from his command post at Shuri Castle, the ancient abode of the kings who once ruled the Ryukyus, as the Americans put 16,000 troops ashore in an hour. A firm advocate of defence in depth, he conceded the beachhead and airfields to draw the Americans inland, where he would defend the island to the last man. His forces included the 9th, 24th and 62nd Divisions. Independent brigades and artillery, engineer and naval troops were also attached. For the death struggle, the Japanese constructed three defensive lines across southern Okinawa.

Early progress was swift. In four days, American troops took territory they thought would require three weeks of combat. Both airfields were captured on the first day. By 3 April, the 1st Marine Division crossed the Ishikawa Isthmus, captured the Katchin Peninsula and cut Okinawa in

“GRABBING A THIRD RIFLE AND A CLUTCH OF GRENADES, HANSEN CHARGED FORWARD AGAIN, KILLING EIGHT ENEMY SOLDIERS AND SMASHING A MORTAR POSITION”

half. The airfields were quickly operational. Marine Air Groups 31 and 33 flew in from aircraft carriers and an Army Air Force fighter wing also arrived.

Soon enough, the Marines found stubborn resistance. Five battalions of the 4th and 29th Marines attacked 365-metre Mount Yae-Take and 2,000 enemy troops under Colonel Takesiko Udo. The Marines were stonewalled by enemy machine guns and mortars. The 14-inch guns of the battleship USS Tennessee barked, and Corsairs of Marine Fighter Squadron 322 (VMF-322) bombed and strafed. The Udo Force was slaughtered while the Marines took 964 casualties clearing the area.

The 7th and 96th Divisions hit the first defensive line on 19 April. The 27th Division was soon committed. Minimal gains could not be held and the attack faltered, meaning that Sherman tanks got separated from supporting infantry while advancing near Kakazu and enemy guns knocked out 22 of the 30 that were sent forward. On 23 April, Admiral Chester W Nimitz, commander in chief of the Pacific, arrived on Okinawa and voiced his concerns for the Fifth Fleet as kamikaze attacks intensified. Hammering Buckner to energise the offensive, Nimitz snarled that if Buckner was not up to the task, “We’ll get someone here to move it... I’m losing a ship and a half each day out here.”

Nimitz was blunt for a reason – Japanese Operation Ten-Go was unleashing 4,500

kamikazes against the Fifth Fleet, filling the skies with ten mass sorties nicknamed Kikusui, or Floating Chrysanthemums, each including 350 or more aircraft. The sailors of the Fifth Fleet endured, earning the nickname of ‘the fleet that came to stay’. Two kamikazes ripped into the aircraft carrier USS Bunker Hill on 11 May, its 58th day on station.

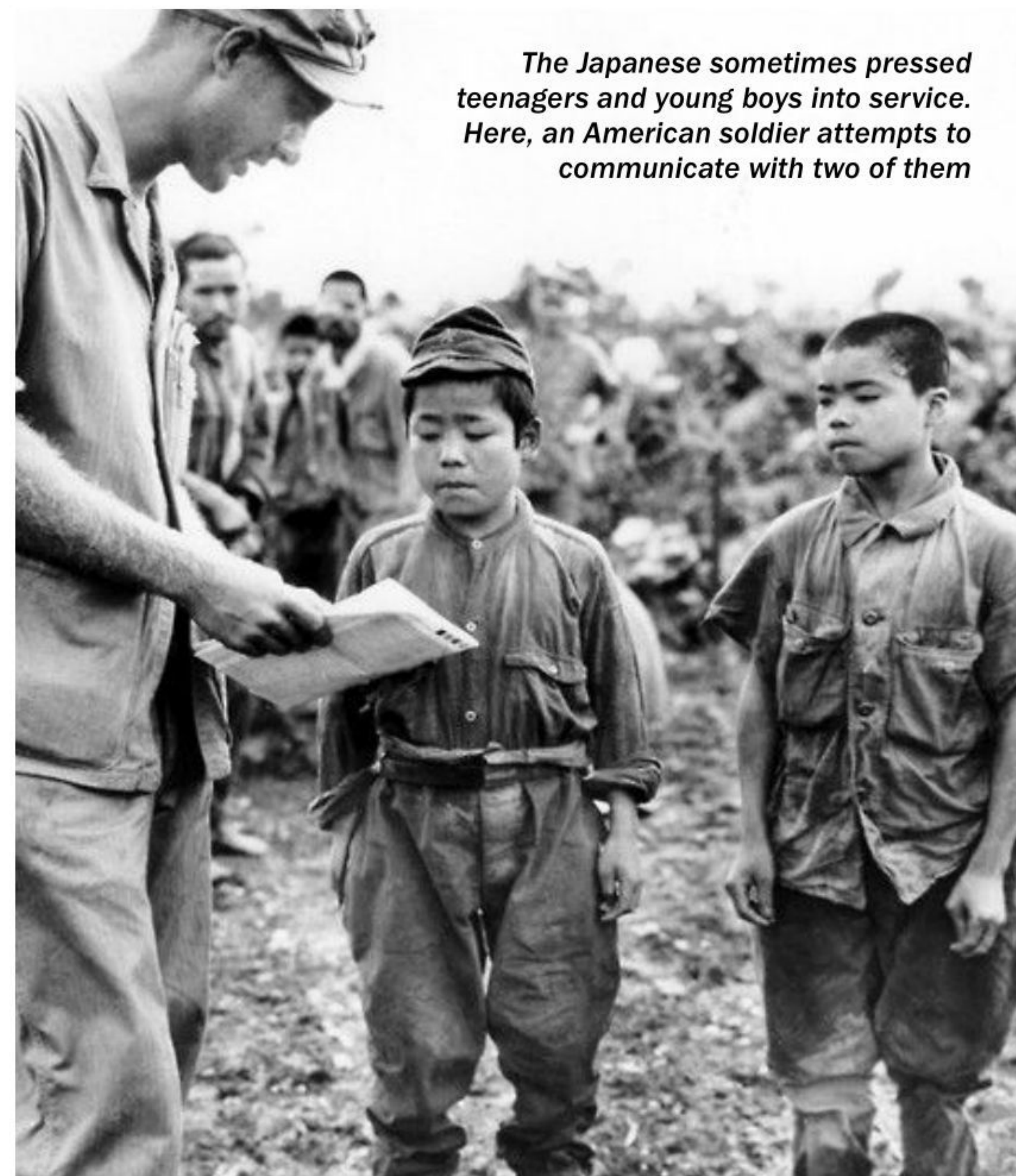
American fighter pilots shot down scores of kamikazes. On 22 April, three Marine Corsairs of VMF-323 flamed 16 in 20 minutes. Nevertheless, some suicide planes got through. The stand of the Fifth Fleet (redesignated Third Fleet when Admiral William F ‘Bull’ Halsey relieved Admiral Raymond A Spruance on 27 May) wrote a stirring chapter in US naval history.

After three weeks of fighting, Ushijima pulled surviving defenders out of the first line, cloaked under steady rain and thick fog. In early May, the Tenth Army was poised to assault the second, or Shuri Line, four divisions abreast across a 8,200-metre front. On 2 May, the 1st Marine Division assaulted the Awacha Pocket. The 5th Marines advanced through a downpour but ran into enemy fire from concealed positions. It took a week to clear Awacha.

Private Dale M Hansen of the 2nd Battalion, 1st Marines, lost his rifle as it was shattered by an enemy bullet during his single-handed destruction of a Japanese pillbox on 7 May. He picked up another weapon and ran up an adjacent



Torpedo bombers and fighters of the Royal Navy Fleet Air Arm occupy the flight deck of the carrier HMS Implacable



The Japanese sometimes pressed teenagers and young boys into service. Here, an American soldier attempts to communicate with two of them

ridge but six Japanese soldiers blocked his path. Hansen shot four – but then his rifle jammed. The two survivors pounced. Hansen swung the rifle's butt and slipped away. Grabbing a third rifle and a clutch of grenades, Hansen charged forward again, killing eight enemy soldiers and smashing a mortar position. More Marines followed, claiming the ridgeline. Hansen was killed by a sniper four days later. On 30 May 1946, his parents accepted his posthumous Medal of Honor.

The 1st Battalion, 7th Marines, reached the top of Dakeshi Ridge twice on 11 May but was forced to retire. A day later, three Sherman tanks, two mounting flamethrowers, charged ahead of the riflemen spitting flame and machine-gun bullets and claimed the high ground. The Marines atop Dakeshi Ridge looked southward towards the rocky jumble of Wana Draw and nearby Wana Ridge. The 1st Marine Division flung itself against the outcroppings, cliffs and caves. Progress was measured in yards. Through 19 days of horror, Marine casualties averaged 200 for every 100-yard advance.

Marine and army tanks fired 5,000 75mm shells and 175,000 rounds of .30-calibre ammunition on 16 May alone. The 3rd Battalion, 7th Marines lost a dozen officers in four days. The 7th Marines took 700 casualties at Dakeshi Ridge and 500 more in five days at Wana Draw.

500 replacements reached the 1st Marines, which relieved the 7th Marines, and renewed the attacks on Wana Draw, 365 metres wide at its mouth but narrowing southward towards Shuri Ridge, funnelling Marines into interlocking fields of fire. By 20 May, the 5th Marines had taken Hill 55 west of Wana Draw but at the end of the month, the 1st Marine Division was bogged down one ridgeline short of Shuri.

Meanwhile, to the west, the 6th Marine Division crossed the Asa River on 10 May, advancing 900 metres in 36 hours. By 12 May, it had drawn up around a nondescript hill rising precipitously 70 metres. The riflemen nicknamed it Sugar Loaf.

Sugar Loaf was flanked by two more small hills dubbed Half Moon and Horseshoe. The Marines did not initially realise that the complex was the western command nexus of the Shuri Line. 2,000 Japanese soldiers defended Sugar Loaf and another 3,000 held Half Moon and Horseshoe.

The battle for the Sugar Loaf-Half Moon-Horseshoe triad extended for ten harrowing days. Captain Owen G Stebbins of Company G, 2nd Battalion, 22nd Marines, led his command towards Sugar Loaf. In seconds, two platoons were pinned under a torrent of enemy fire. Stebbins and executive officer Lieutenant Dale W Bair kept the third platoon moving. 28 of the 40 men were quickly killed or wounded.

Stebbins was hit in both of his legs. Bair was shot in the left arm but still he persevered, gathering 25 Marines and charging to Sugar Loaf's crest although he was ultimately unable to hold it. Five attempts had come up short. Just 75 of the original 200 Marines in Company G were unscathed.

After dark on 14 May, the 29th Marines reinforced the 22nd Marines. 44 men were marooned on Sugar Loaf's slope with at least 100 bodies lying around them. Major Henry A Courtney Jr, executive officer of the 2nd Battalion, 22nd Marines, decided that his men could not remain where they were but withdrawal would invite a hostile response. He reasoned that the best option was to attack so he roused Marines of Companies F and G and asked for volunteers. Courtney led all 44 Marines again to Sugar

Loaf's crest. They held until after dark, when 15 survivors scrambled down. Courtney, however, died when a mortar fragment slashed his neck. He received a posthumous Medal of Honor.

Corporal James L Day's seven-man squad from Company F, 2nd Battalion, 22nd Marines, had followed Courtney up Sugar Loaf. Quickly, five men were shot. Day and Private Dale Bertoli were alone on the western slope. For four days and three nights the pair peppered rifle bullets and tossed grenades at the Japanese – Day was wounded and Bertoli was killed later. In 1984, Major General James L Day would return to Okinawa and take command of its Marine garrison. The 22nd Marines had lost 400 casualties, nearly half its number, in three days.

On 17 May, Company E, 2nd Battalion, 29th Marines, charged Sugar Loaf four times, losing 160 men but holding the hill for several hours before withdrawing at dusk. On 18 May, Company D, 2nd Battalion, 29th Marines, under Captain Howard L Mabie, assaulted Sugar Loaf while suppressing fire, keeping Japanese heads down on Half Moon and Horseshoe. Mabie's Marines skirted both flanks, negotiated minefields and emptied their weapons into clusters of Japanese soldiers emerging from bunkers on the reverse slope. Company D's grip on Sugar Loaf held.

The 4th Marines relieved the 29th and by 20 May, its 3rd Battalion controlled most of Horseshoe, while the 2nd Battalion held most of Half Moon. The 6th Marine Division had lost nearly 2,700 casualties fighting for Sugar Loaf.

While the Marines battled in the west, the 96th Division took Conical Hill and the 7th Division were able to secure Yonabaru. Ushijima's flanks were vulnerable and his positions at Shuri Ridge

and Shuri Castle were untenable. He finally withdrew to the final line across the Kiyamu Peninsula under a cloak of steady rain and fog.

Foul weather slowed the American advance – nevertheless, 6th Marine Division tanks probed the village of Naha on 28 May. The next morning, Company A, 1st Battalion, 5th Marines, managed to reach the crest of Shuri Ridge without firing a shot, crossing into the 77th Division zone to occupy the much-coveted Shuri Castle.

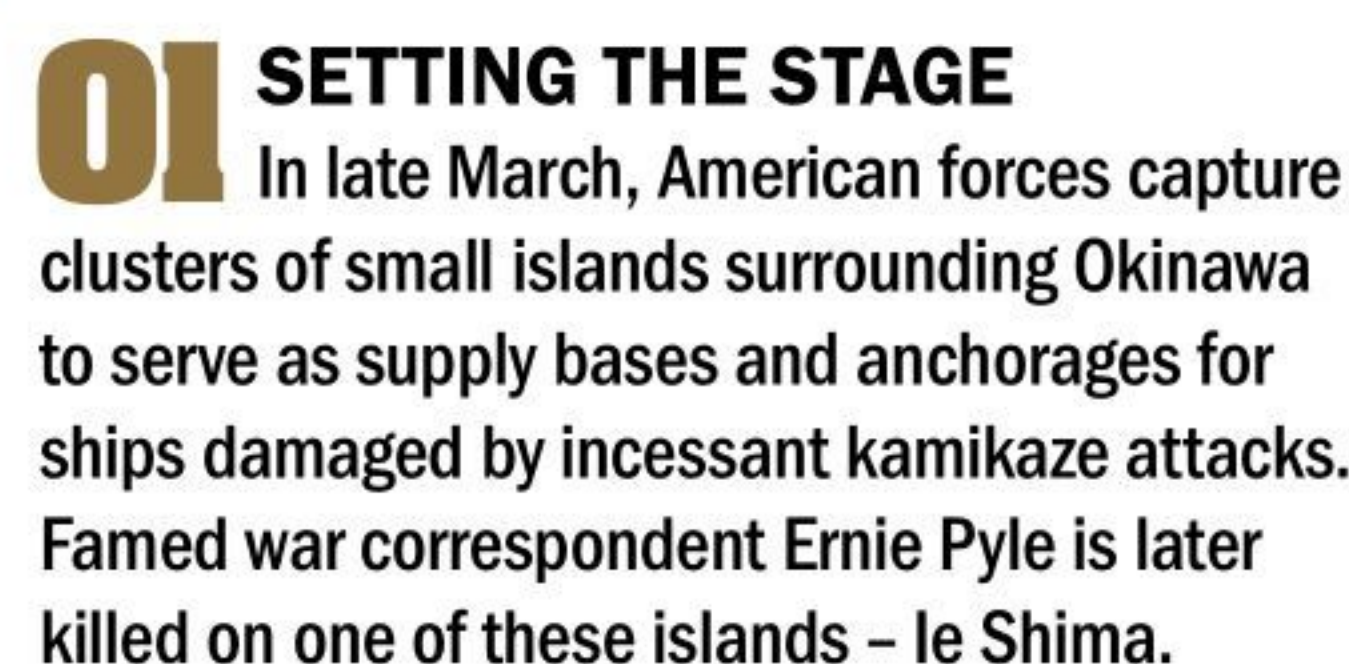
Ushijima's six-kilometre front then stretched across Kunishi Ridge in the west to Hill 89, the site of his last command post, and to Hill 95. Meanwhile, the 6th Marine Division secured the Oroku Peninsula and Naha Airfield in a joint land and amphibious craft assault, decimating 5,000 Japanese defenders under the command of Rear Admiral Minoru Ota.

The 7th Division's 32nd Regiment captured Hill 95 on 12 June, while the 17th Regiment took the eastern end of the Yuza Dake escarpment, unhinging Ushijima's right flank. The 96th Division claimed the rest of Yuza Dake the next day and the 1st Marine Division concurrently began its assault on the western anchor of the Japanese line. With Colonel Edward Snedeker's 7th Marines in the lead, initial assaults on Kunishi Ridge on 11 June were repulsed. Snedeker ordered a night attack and two Marine companies reached the crest near sunrise, mowing down surprised Japanese troops who were cooking breakfast and preparing for the day.

The Japanese mounted some heavy counterattacks. Three attempts to reinforce the Marines atop Kunishi Ridge were thwarted but the 1st, 5th and 7th Marines slowly made gains. In five days, the last heavily defended ridgeline on Okinawa was finally subdued. On 18 June, the 7th Marines finally trudged rearward to be relieved by the 8th Marines, 2nd Marine Division.

General Buckner climbed Mezado Ridge to observe the 8th's deployment. Five Japanese artillery shells crashed down, spraying rock and shrapnel – a splinter the size of a dime struck Buckner in the chest. One of the highest-ranking American officers killed in action in World War II, he died in ten minutes. General Roy Geiger handled the Tenth Army for five days until Army General Joseph Stilwell arrived to take over the command.

Geiger declared Okinawa secure on 22 June, while elements of the 7th Division took Hill 89, and the 77th Division captured Hill 85. That same day, as 7th Division troops neared the entrance to his headquarters in a cave on Hill 89, General Ushijima committed ritual suicide along with Rear Admiral Ota. The 6th Marine Division turned south from the Oroku Peninsula, occupying Ara Saki, Okinawa's southernmost point. Company G, 2nd Battalion, 22nd Marines, raised the Stars and Stripes. The great battle of Okinawa, the climax of the Pacific land campaign, was over. Until that time, suffering on such a scale had seemed impossible.



06 SAVAGERY AT SUGAR LOAF

In late May, American forces finally capture the Sugar Loaf-Half Moon-Horseshoe complex of mutually supporting hills, significant progress against the Shuri Line. After losing nearly 3,000 men, the Americans compel the Japanese to abandon strong positions at Shuri Ridge and Shuri Castle.

05 FIRST LINE BREACHED

For three weeks, the Americans batter the first of three Japanese defensive lines, finally forcing an enemy withdrawal and proceeding toward the second, or Shuri Line, where determined defenders have fortified a labyrinth of caves, crevices, hills, and valleys. By the first week of May, casualties begin to mount on both sides.

07 KAMIKAZE RAIN OF STEEL

For weeks, the US Navy's Fifth Fleet and British warships are subjected to Operation Ten-Go, an onslaught of Japanese suicide planes that ravages Allied ships, including picket line destroyers and aircraft carriers. More than 300 ships are damaged before Ten-Go blows itself out. The fleet remains on station.

OKINAWA

1 APRIL - 22 JUNE 1945

04 RAPID RUN NORTHWARD

The Americans bisect Okinawa and then turn north and south. Japanese resistance in the north is sporadic and sacrificial, and many enemy troops are bottled up and annihilated in the Motobu Peninsula. By 13 April, the 22nd Marines have occupied thumb-shaped Hedo Misaki Peninsula at the extreme northern tip of the island.

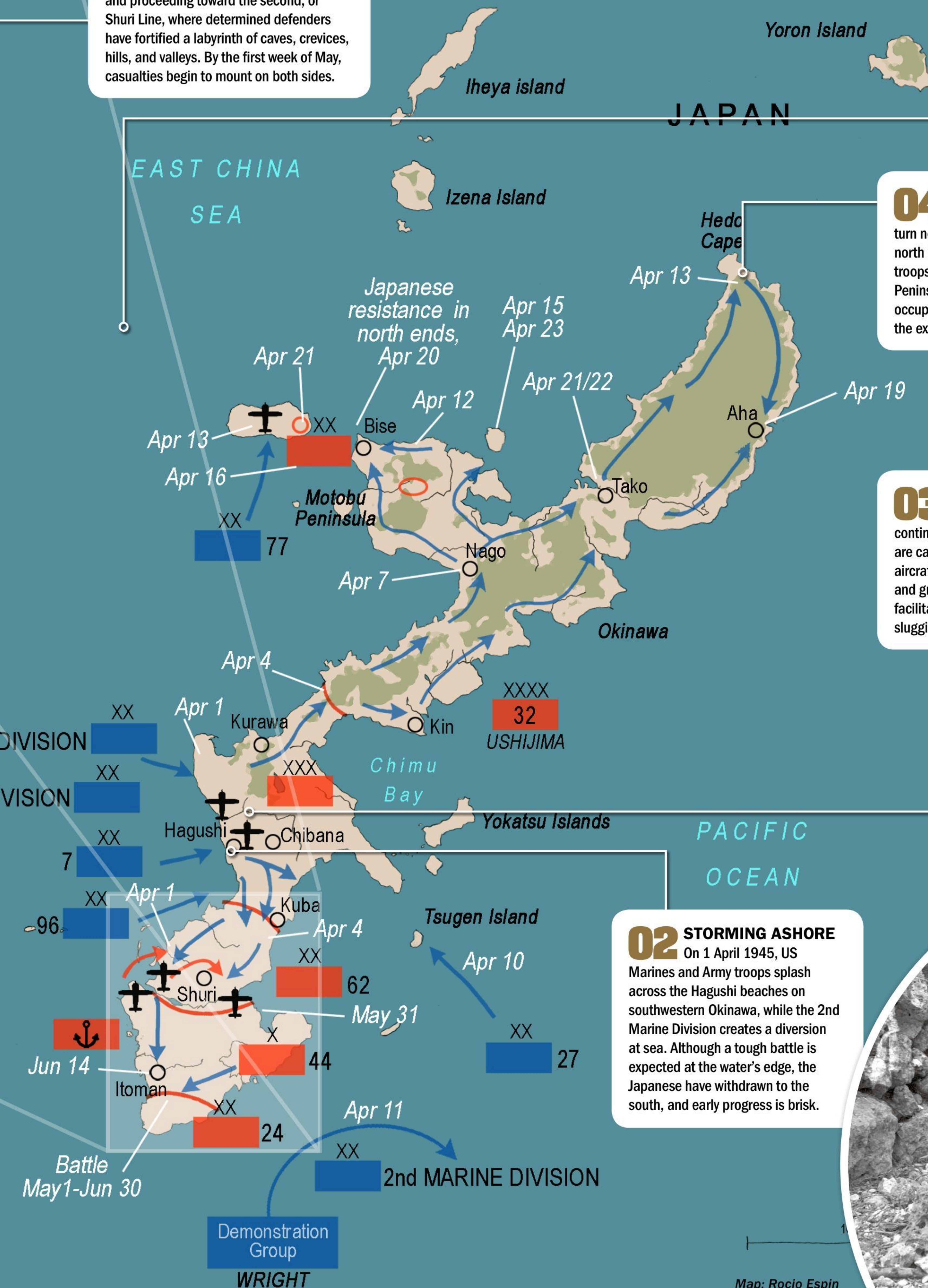
03 CAPTURING KEY AIRFIELDS

Kadena and Yontan airfields, keys to continuing support of the American ground offensive, are captured on the first day. Marine, navy and army aircraft are soon flying combat air patrol, interdiction, and ground support missions from these airfields, facilitating the advance, which nevertheless grows sluggish as enemy resistance intensifies.

02 STORMING ASHORE

On 1 April 1945, US Marines and Army troops splash across the Hagushi beaches on southwestern Okinawa, while the 2nd Marine Division creates a diversion at sea. Although a tough battle is expected at the water's edge, the Japanese have withdrawn to the south, and early progress is brisk.

A Marine glances briefly at the body of a dead Japanese soldier as he passes with comrades through a shattered Okinawan village



THE END NEARS

BERLIN

GERMANY 16 APRIL – 2 MAY 1945

Amid the rubble of the Nazi capital, the Soviet Red Army
brought Hitler's Third Reich to a violent end

WORDS MIKE HASKEW



By the spring of 1945, World War II was in its sixth year. The once mighty war machine of the Third Reich had been brought to its knees. Assailed from both East and West, Nazi Germany was in its death throes.

Since the beginning, Allied forces had been buoyed by the cry, “On to Berlin!” Now, however, practical considerations weighed heavily on the conduct of the final weeks of the war. General Dwight D Eisenhower, supreme commander of the American and British armies advancing across the western German frontier, breached protocol and contacted Soviet Premier Josef Stalin directly, informing him that the Western Allies did not intend to fight for Berlin. For several reasons, both political and military, the battle for the Nazi capital and whatever wisps of glory might come with its capture would be left to the Soviet Red Army.

Indeed, since Hitler had launched Operation Barbarossa – the Nazi invasion of the Soviet Union on 22 June 1941 – the Soviets had suffered mightily and borne the brunt of the fighting on the European continent. Millions of Soviet military and civilian lives had been lost before the Nazi juggernaut was even stemmed only 20 kilometres from the Soviet capital of Moscow, Russia. German generals peered at the gleaming onion domes of the city’s buildings but could get no closer. Winter set in, and the Germans literally froze to death, while weapons and equipment failed to function in such inhospitable conditions.

The following spring, a renewed German offensive was met by a resurgent Red Army, and then the great Soviet victories at Stalingrad and Kursk occurred in 1943. Seizing the initiative, the Soviets pushed the Germans westward across thousands of kilometres, reaching Warsaw, the Polish capital, in the summer of 1944. Soviet offensives from Leningrad in the north to Odessa in the south were known as ‘Stalin’s ten blows’. By early 1945, East Prussia, the Baltic States, and Pomerania were in Soviet possession. The Red Army advanced from the River Vistula to the River Oder, and then to within 60 kilometres of Berlin.

Conference at the Kremlin

On 1 April, Stalin and two of his top commanders, Marshal Georgi Zhukov of the 1st Belorussian Front and Marshal Ivan Konev of the 1st Ukrainian Front, met at the Kremlin in Moscow. “Who will take Berlin?” Stalin asked. “We will!” Konev answered. Stalin proceeded to give the two commanders their orders. Zhukov was to attack Berlin from the north and east, while Konev approached from the south. The two immense Fronts would surround Berlin in a giant pincer and destroy the opposing forces in an ever-shrinking defensive perimeter.

Two weeks later, the final offensive began with the thunder of thousands of Soviet guns.

Konev’s advance across the River Neisse gained ground steadily, but Zhukov failed to accurately assess the strength of the main German line of resistance before Berlin at Seelöw Heights just west of the Oder, where elements of Army Group Vistula, outmanned and outgunned but full of fight and Nazi fervour, made a stand along a ridgeline. Under the command of Colonel General Gotthard Heinrici, the defenders pulled back from frontline positions just as the Soviet artillery bombardment erupted; therefore, most of the shelling failed to inflict heavy casualties. German tanks and tank-killing infantry squads saw the silhouettes of Red Army armoured vehicles and troops illuminated by their own searchlights and took a fearful toll, stalling Zhukov’s advance.

After four days of fierce fighting, Zhukov broke through the Seelöw Heights defences, but the cost was high. No fewer than 30,000 Red Army soldiers were dead, along with 12,000 German troops. Stalin was enraged by the delay and ordered Konev to abandon his wider swing around Berlin and send his armoured spearheads directly towards the city. The existing rivalry between Zhukov and Konev became heated as both commanders vied for the prestige of capturing the Nazi capital.

A memorable birthday

20 April 1945, was Hitler’s 56th birthday, but there was little revelry in the Führerbunker beneath the Reich Chancellery in Berlin that day. Soviet long-range artillery began shelling the capital, and the guns would not cease firing until the city had fallen. Word reached the Führer in his subterranean command centre that three defensive lines east of Berlin had been breached, including Seelöw Heights. Zhukov was advancing. Konev was in open country and moving steadily with the 4th Guards Tank Army and 3rd Guards Army leading the way. A third Red Army Front, the 2nd Belorussian under Marshal Konstantin Rokossovsky, had broken through the 3rd Panzer Army’s lines. Inside Berlin, the remnants of Army and Waffen-SS units prepared makeshift defences. Old men and boys joined these soldiers for a fight to the death once the Soviets entered the city.

Territorial gains brought Berlin within range of field artillery on 22 April. A Red Army news correspondent came upon several guns preparing to unleash a storm of shells on the German capital. He later wrote, “‘What are the targets?’ I asked the battery commander. ‘Centre of Berlin, Spree bridges, and the northern Stettin railway stations,’ he answered. Then came the tremendous words of command: ‘Open fire on the capital of Fascist Germany.’ I noted the time. It was exactly 8.30am on 22 April. 96 shells fell on the centre of Berlin in the course of a few minutes.”

Both Zhukov and Konev ordered a continued westward advance, and on 25 April, the leading



THE END NEARS

elements of a Guards rifle regiment from the 1st Ukrainian Front made contact with troops of the US 69th Infantry Division at Torgau on the River Elbe, splitting the Third Reich in two. On the same day, the encirclement of Berlin was completed. Both the German 9th and 4th Panzer Armies were surrounded, and efforts by the 12th Army under General Walther Wenck to move to the relief of Berlin were thwarted by the westward movement of the 1st Ukrainian Front.

Defending the doomed

As the Soviet noose tightened around Berlin, probing attacks tested the city's defences. The Germans had divided three concentric rings into nine sectors. About 96.5 kilometres in circumference, the outermost ring ran across the outskirts of the capital. Flimsy at best, it consisted primarily of roadblocks, barricades of rubble and vehicles, and shallow trenches. It was compromised rapidly in numerous locations prior to the main assault on the city.

The second circle ran approximately 40 kilometres and made use of existing buildings and obstacles, including the S-Bahn, Berlin's public transportation railway system. The inner ring included the massive buildings that once housed the ministries and departments of the Nazi government. These were turned into machine-gun and anti-tank strongpoints with firing positions on each floor.

Six massive flak towers, studded with guns and virtually impervious to anything but a direct hit, were also part of the inner circle. Eight of the pie-shaped dividing sectors, labelled A through H and radiating from the centre of Berlin, crossed each of the rings to the outer perimeter. The ninth sector, named Z, was manned partially by a fanatical contingent of Hitler's personal SS guard.

The city of Berlin itself comprised 547 square kilometres, and defensive positions along the barriers of the River Spree and the Landwehr and Teltow Canals were particularly fortified. The main objective of the converging Soviet forces was the complex of government buildings known as the Citadel, north and east of the Tiergarten, a large park and residential district that was home to the Berlin Zoo.

Estimates of German strength vary from roughly 100,000 to 180,000, including SS, Army, Volkssturm (People's Militia), and Hitler Youth, under the command of General Helmuth Weidling, appointed by the Führer on 23 April to lead the last-gasp defence.

On 26 April, the final chapter of the battle for Berlin began with a fury. The 8th Guards and 1st Guards Tank Armies fought their way through the second defensive circle, crossing the S-Bahn line and attacking Tempelhof Airport. To the west, elements of the 1st Belorussian Front entered Charlottenburg and drew up to the River Spree after two days of bitter combat. The Soviets advanced inexorably toward the centre of Berlin on four primary axes, along the Frankfurter Allee



In this July 1945 photo, a heavily damaged street near the Unter den Linden in the centre of Berlin remains devastated

from the southeast, Sonnenallee from the south toward the Belle-Alliance-Platz, again from the south toward the Potsdamer Platz, and from the north toward the Reichstag, where the German Parliament had once convened and which had not been in use since a devastating fire had gutted the building in 1933.

On 28 April, the Potsdamerstrasse Bridge across the Landwehr Canal was taken, and fighting spread into the Tiergarten. The next morning the 3rd Shock Army crossed the Moltke Bridge over the River Spree. The Reichstag lay to the left fronting the Königsplatz, which was mined and heavily defended by machine-gun nests, artillery, several tanks, and a mixed bag of roughly 6,000 Germans. Attacks on the Interior Ministry building progressed sluggishly, and by dawn on 30 April, Red Army soldiers occupied Gestapo headquarters on Prinz Albrechtstrasse for a brief time before a heavy counterattack pushed them out. The Soviets did capture most of the diplomatic quarter that day.

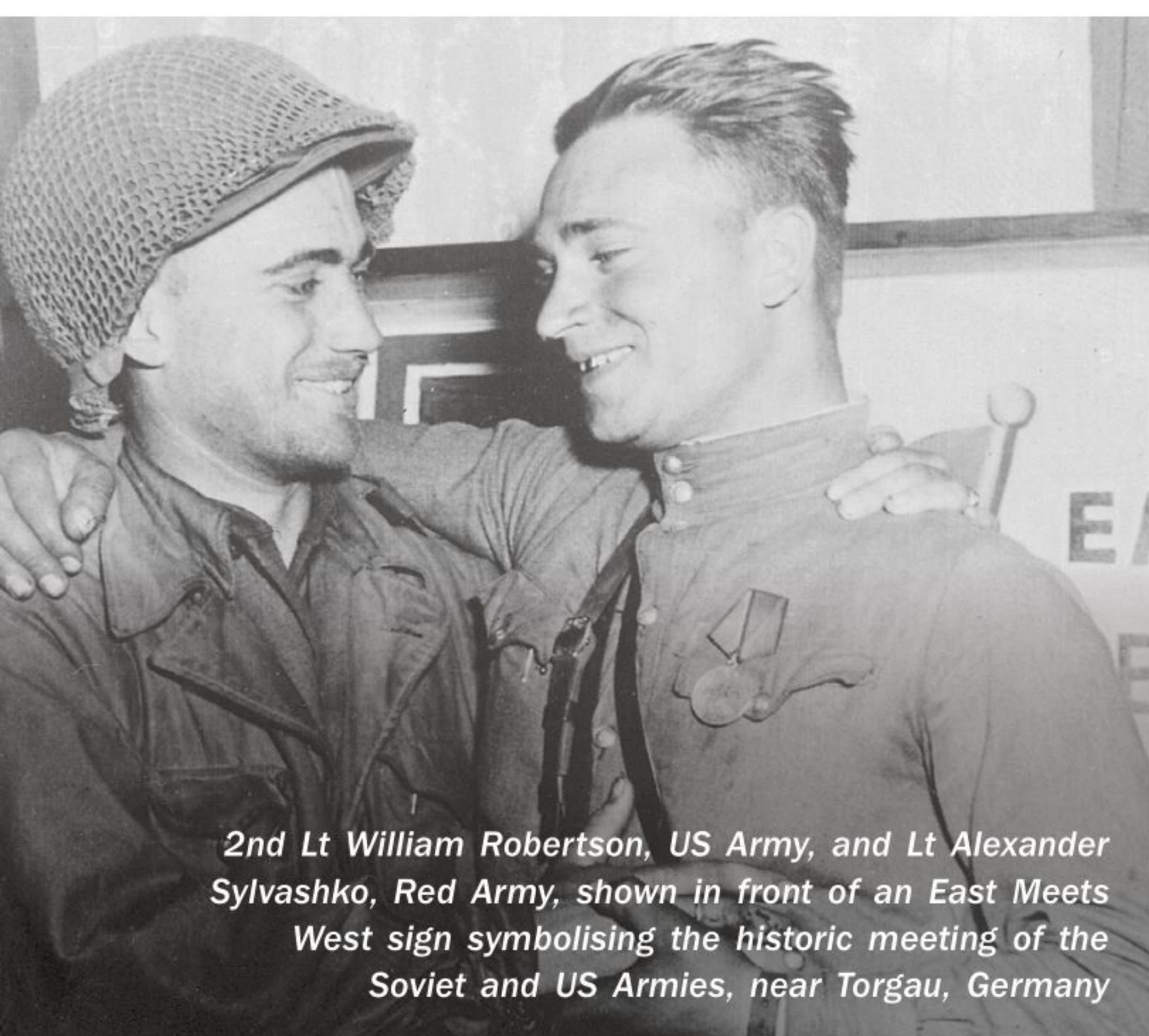
Meanwhile, the 79th Rifle Corps began a concerted effort to take the Reichstag. Troops of the 150th Rifle Division ran a gauntlet of fire across the Königsplatz in a frontal assault. Other divisions attacked the flanks of the large building, and three attempts were beaten back between 4.30am and 1pm. The defenders were aided by



Soldiers raise the flag of the Soviet Union above the Reichstag in a symbolic gesture of the fall of Berlin



A soldier of the Volkssturm holds a Panzerschreck anti-tank weapon on the outskirts of Berlin



2nd Lt William Robertson, US Army, and Lt Alexander Sylvashko, Red Army, shown in front of an East Meets West sign symbolising the historic meeting of the Soviet and US Armies, near Torgau, Germany



128mm guns atop one of the reinforced concrete flak towers at the Berlin Zoo firing from over a kilometre away. Soviet tanks and self-propelled assault guns lumbered into the Königsplatz to blast German positions. A false report that a red banner had been seen flying above the Reichstag was issued at mid-afternoon when the attackers had managed to advance only partially across the Königsplatz. Fearing the repercussions that might ensue if the report were found to be inaccurate, Major General VM Shatilov, commanding the 150th Rifle Division, ordered a redoubling of the effort.

By 6pm, the fight for the Reichstag had raged 14 hours. Soviet soldiers renewed the attack, carrying small mortars to blast open entryways that had been covered with brick and mortar. Once inside, the Soviets clashed with Germans in hand-to-hand combat throughout the building. A small group of Red Army soldiers worked their way around the back of the Reichstag and found a stairway to the roof. Sergeants Mikhail Yegorov and Meliton Kantaria rushed forward with a red banner and found an equestrian statue at the edge of the roofline. Minutes before 11pm, they jammed the staff into a space in the statue.

Although the hammer and sickle flag of the Soviet Union flew above the Reichstag on the

night of 30 April, the building was not secured until 2 May, when the last 2,500 German defenders surrendered. The famed photos and footage of the flag raising were actually taken during a reenactment of the event on 3 May.

Crumbling centre

The Germans still forlornly defending Berlin were exhausted and running low on ammunition. General Weidling informed Hitler on the morning of 30 April that in a matter of hours the Red Army would be in control of the centre of the city.

The Soviet 5th Shock, 8th Guards, and 8th Guards Tank Armies advanced down the famed Unter den Linden, approaching the Reich Chancellery and the Führerbunker. Hitler authorised General Weidling to attempt a breakout from the encirclement that had formed, and then with his longtime mistress, Eva Braun, who had become his wife only hours earlier, committed suicide in the underground labyrinth.

By this time, only about 10,000 resolute German soldiers remained in defensive positions, and Soviet troops and tanks were closing in from all sides. Soviet artillery pounded the remaining defenders, relentlessly shelling the Air Ministry building on the Wilhelmstrasse, a strong position that had been reinforced with steel, concrete, and barricades. The 3rd Shock

Army advanced along the northern edge of the Tiergarten and battled a cluster of German tanks while maintaining pressure on the Reichstag and the surrounding area. In concert with the movement of the 8th Guards Army, the 3rd Shock Army cut the centre of Berlin in half.

On 1 May, General Hans Krebs, chief of the German General Staff, contacted General Vasily Chuikov, commander of the 8th Guards Army, informing the Soviet officer of Hitler's death and hoping to arrange surrender terms. The attempt failed when Chuikov insisted on unconditional surrender and Krebs responded that he did not have such authority. Meanwhile, some of the German troops began attempting to break out of embattled Berlin, particularly toward the west and a hopeful surrender to British or American forces rather than the vengeful Soviets, whose people had suffered so much at the hands of the Nazis. Only a relative few succeeded after crossing the Charlottenbrücke Bridge over the River Havel. Many were killed or captured when they abruptly encountered Soviet lines.

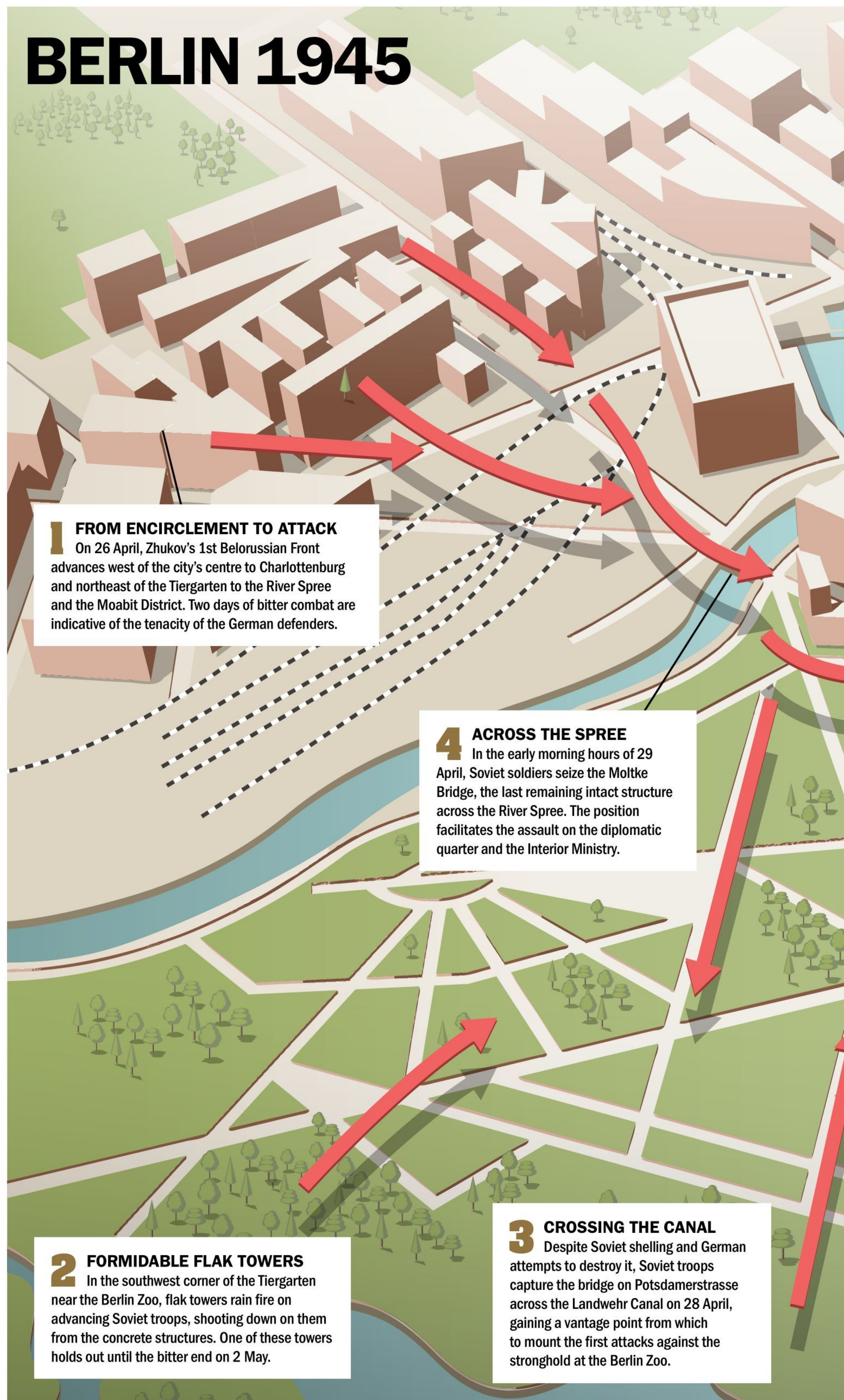
On the morning of 2 May, Red Army troops took control of the Reich Chancellery. Weidling had already sent a communiqué to General Chuikov at 1am, asking for another meeting. The German general was instructed to come to the Potsdamer Bridge at 6am. He was then taken to Chuikov's headquarters and surrendered within the hour. Weidling issued orders for all German troops to follow suit and put the directive in writing at Chuikov's request. He also made a recording of the order, and Soviet trucks blared the message through the shattered streets of the city. Some pockets of diehard SS troops resisted until they were annihilated. At the troublesome Berlin Zoo flak tower, 350 haggard German soldiers stumbled into the daylight of defeat. The Battle of Berlin was over.

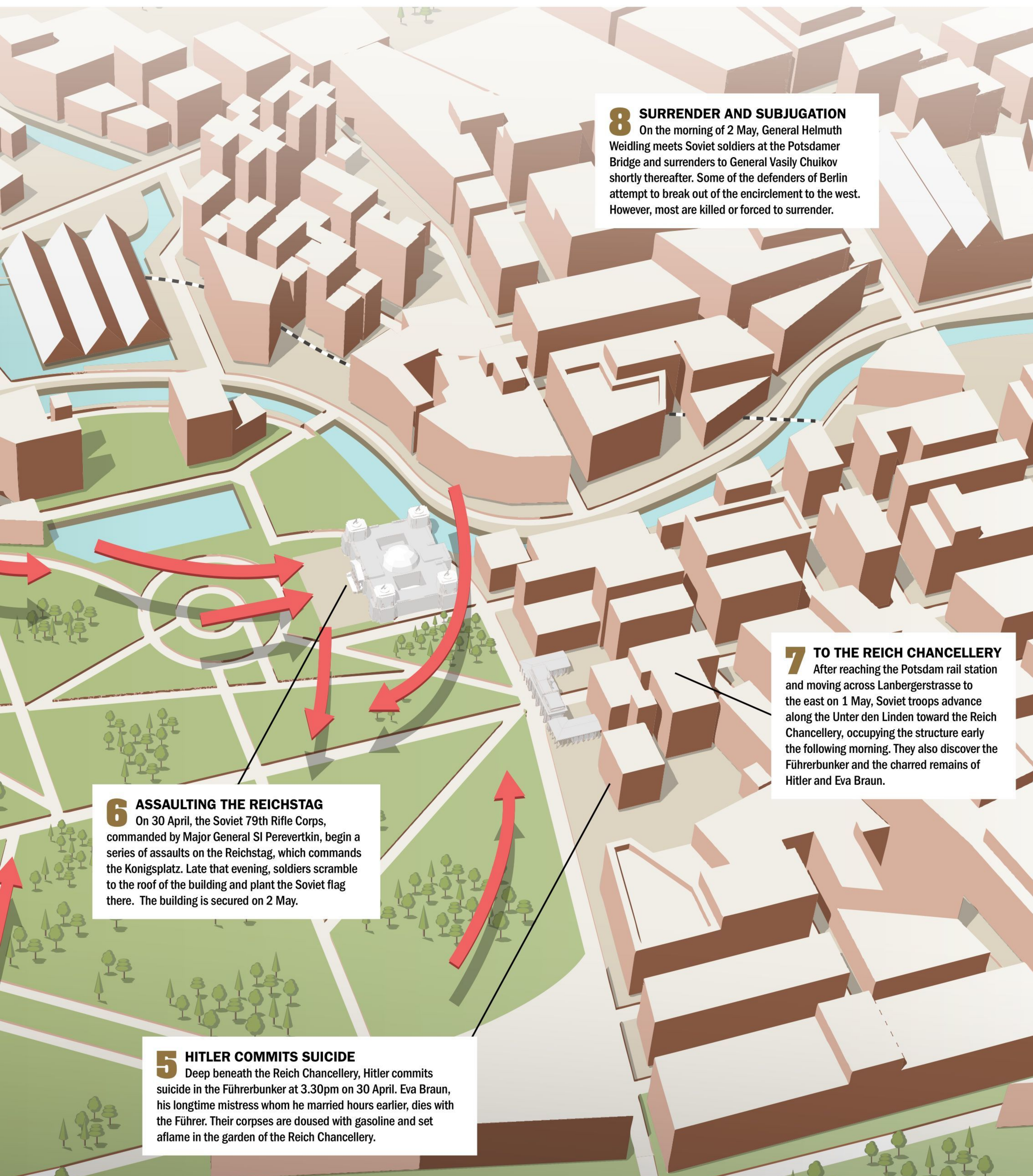
Counting the cost

Casualties were staggering. During the drive from the Oder to Berlin, at least 81,000 Soviet soldiers had died and well over a quarter million were wounded. German losses are estimated at 100,000 killed, 220,000 wounded, and nearly half a million taken prisoner. At least 100,000 civilian residents of Berlin, some of whom committed suicide, had also perished.

Red Army soldiers raped and murdered countless German women. They destroyed and pillaged in retribution for the horrors previously inflicted on their Motherland by the Nazis. For some Berliners who survived the battle, the nightmare of Soviet vengeance was – perhaps – a fate worse than death.

Within a week of the fall of Berlin, World War II in Europe ended with the unconditional surrender of Nazi Germany. The Third Reich, which Hitler boasted would last 1,000 years, had ended in fiery ruin in only 12.





8 SURRENDER AND SUBJUGATION

On the morning of 2 May, General Helmuth Weidling meets Soviet soldiers at the Potsdamer Bridge and surrenders to General Vasily Chuikov shortly thereafter. Some of the defenders of Berlin attempt to break out of the encirclement to the west. However, most are killed or forced to surrender.

7 TO THE REICH CHANCELLERY

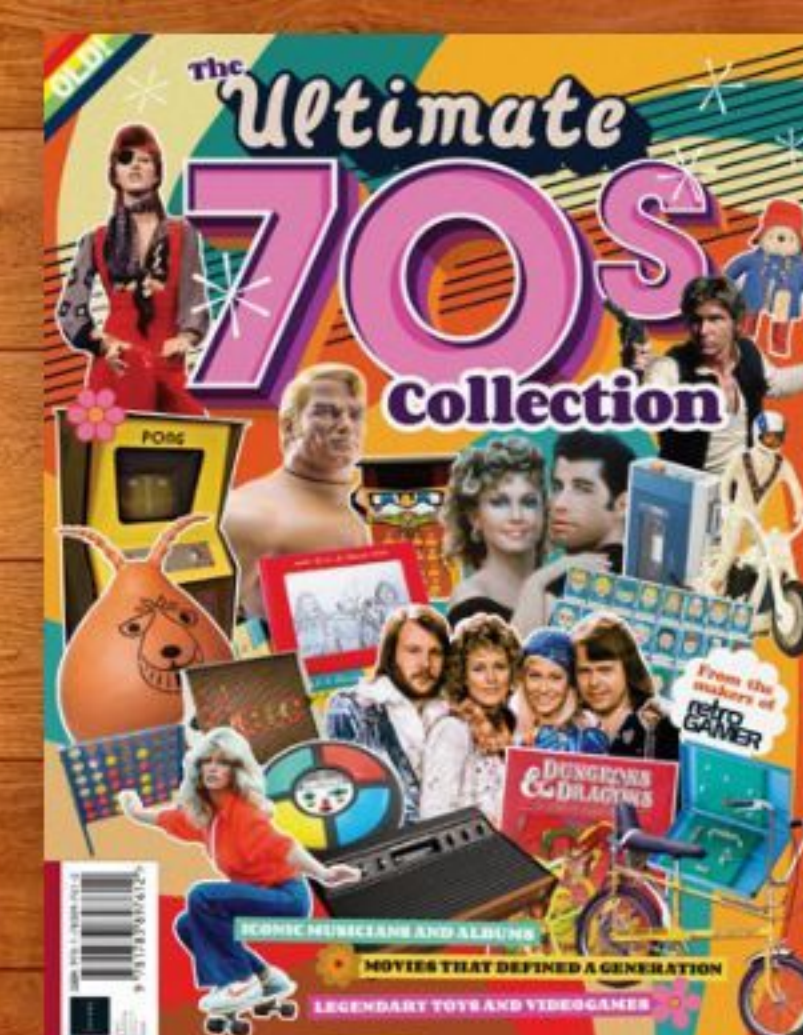
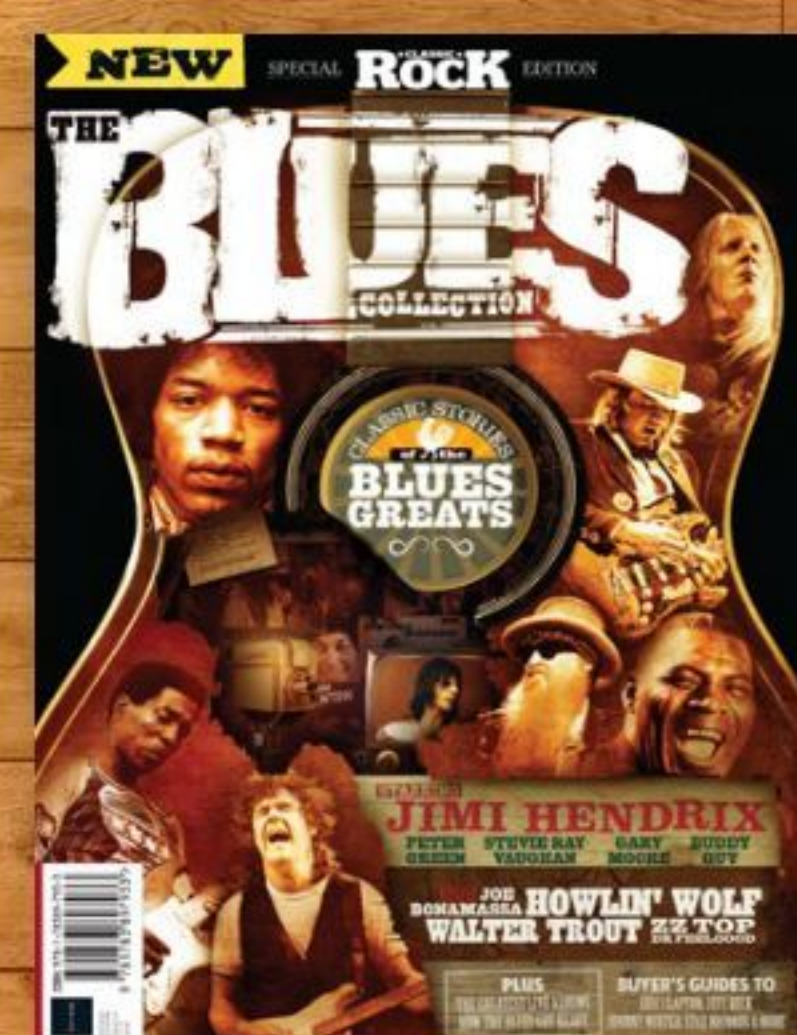
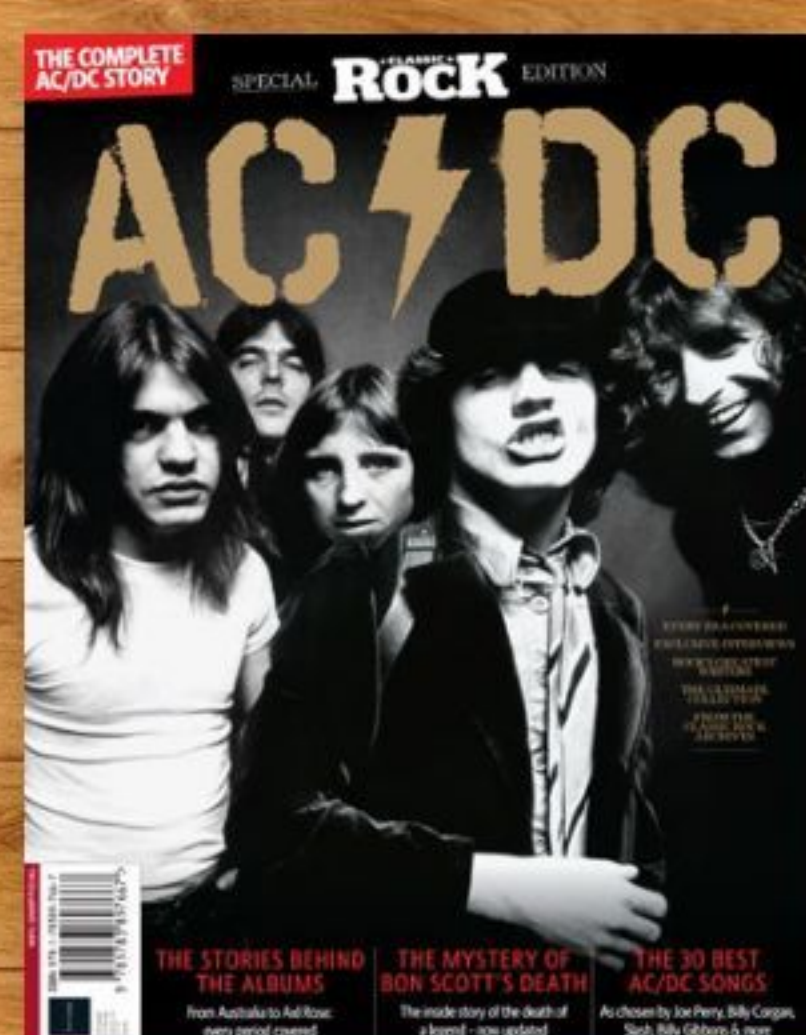
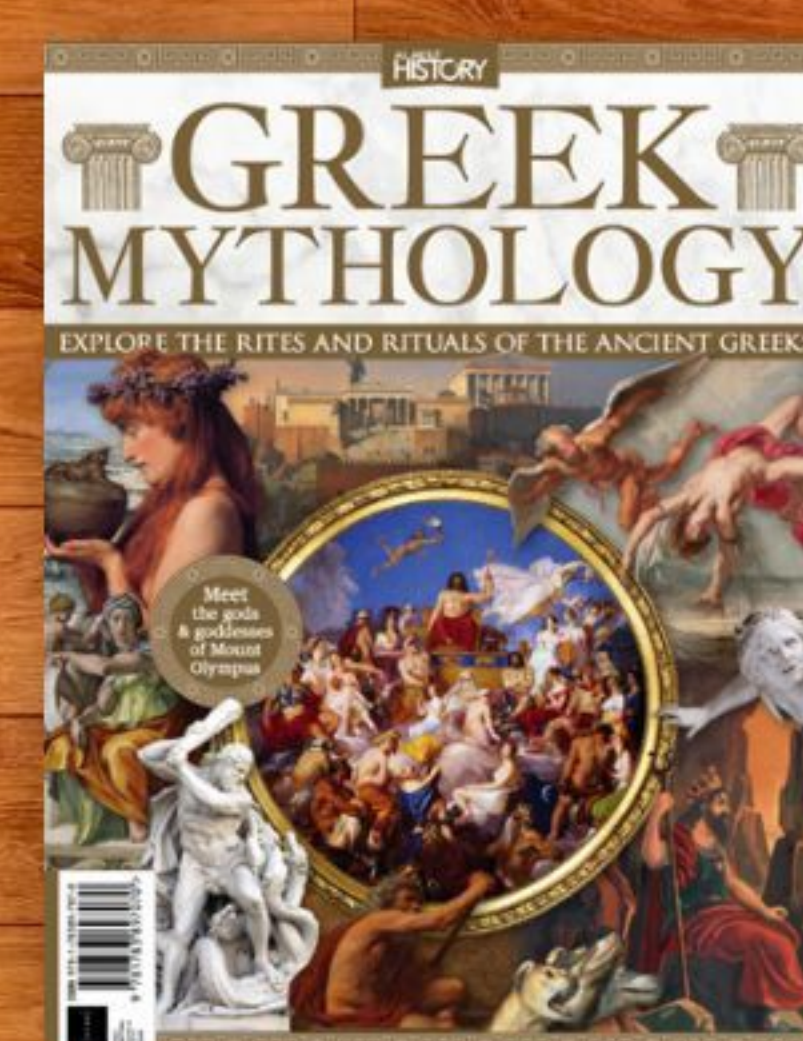
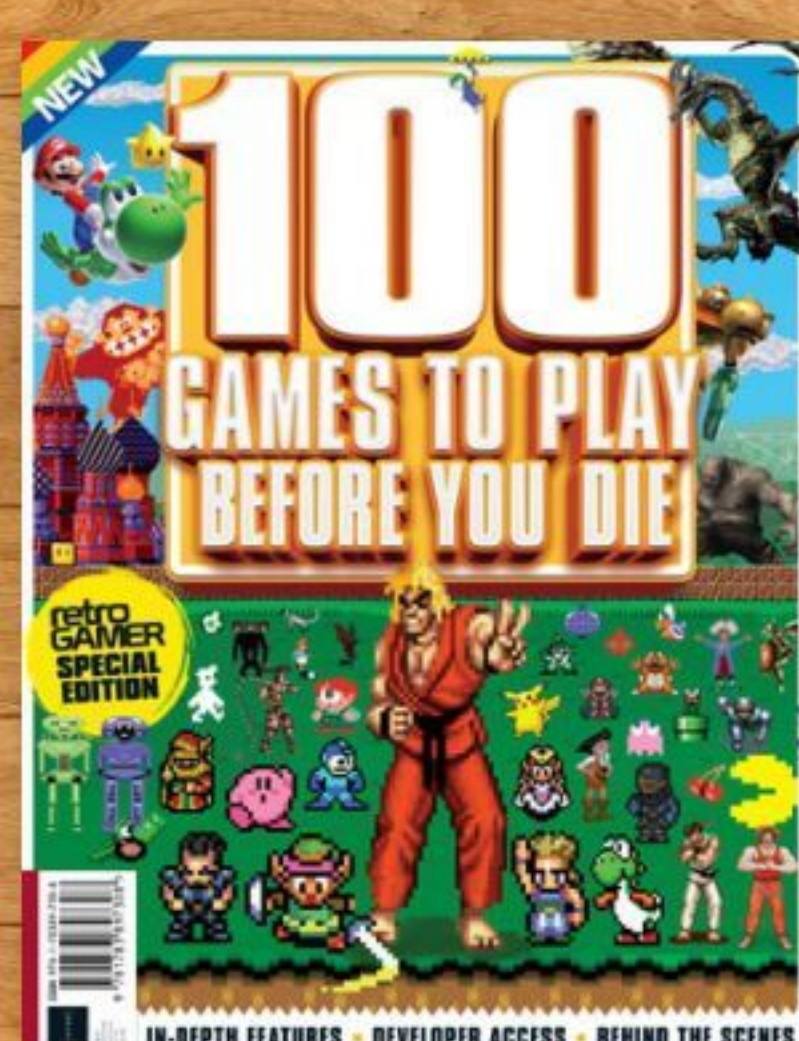
After reaching the Potsdam rail station and moving across Lanbergerstrasse to the east on 1 May, Soviet troops advance along the Unter den Linden toward the Reich Chancellery, occupying the structure early the following morning. They also discover the Führerbunker and the charred remains of Hitler and Eva Braun.

6 ASSAULTING THE REICHSTAG

On 30 April, the Soviet 79th Rifle Corps, commanded by Major General SI Perevertkin, begin a series of assaults on the Reichstag, which commands the Königsplatz. Late that evening, soldiers scramble to the roof of the building and plant the Soviet flag there. The building is secured on 2 May.

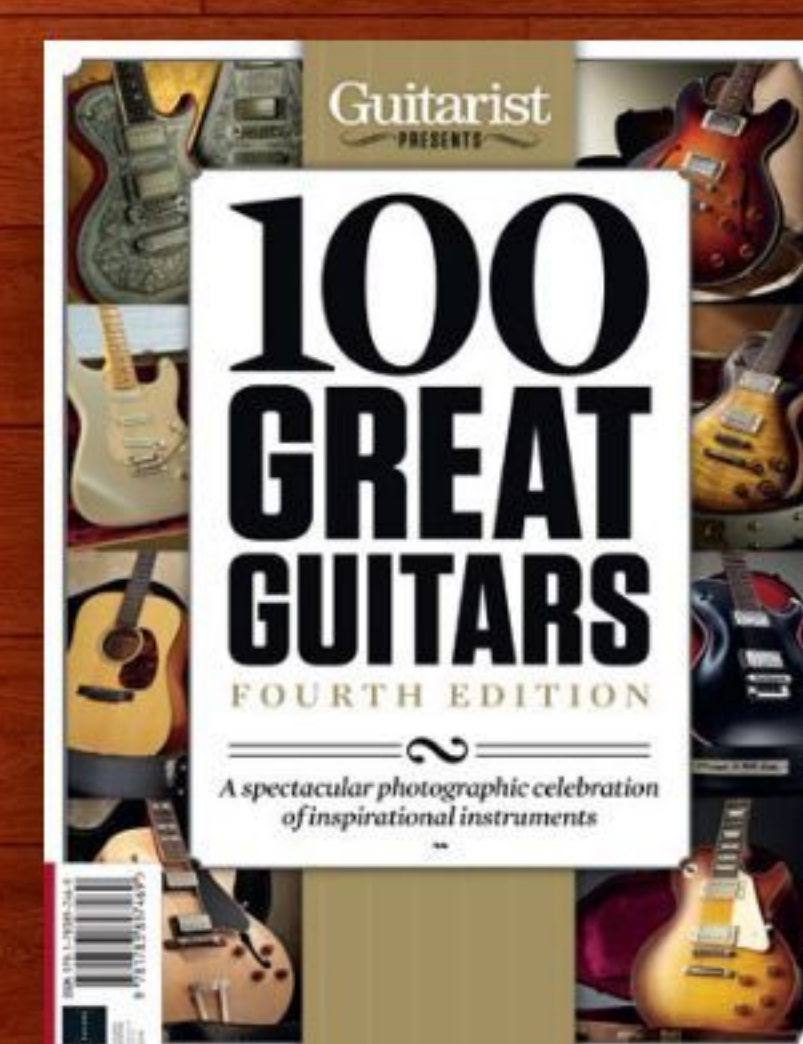
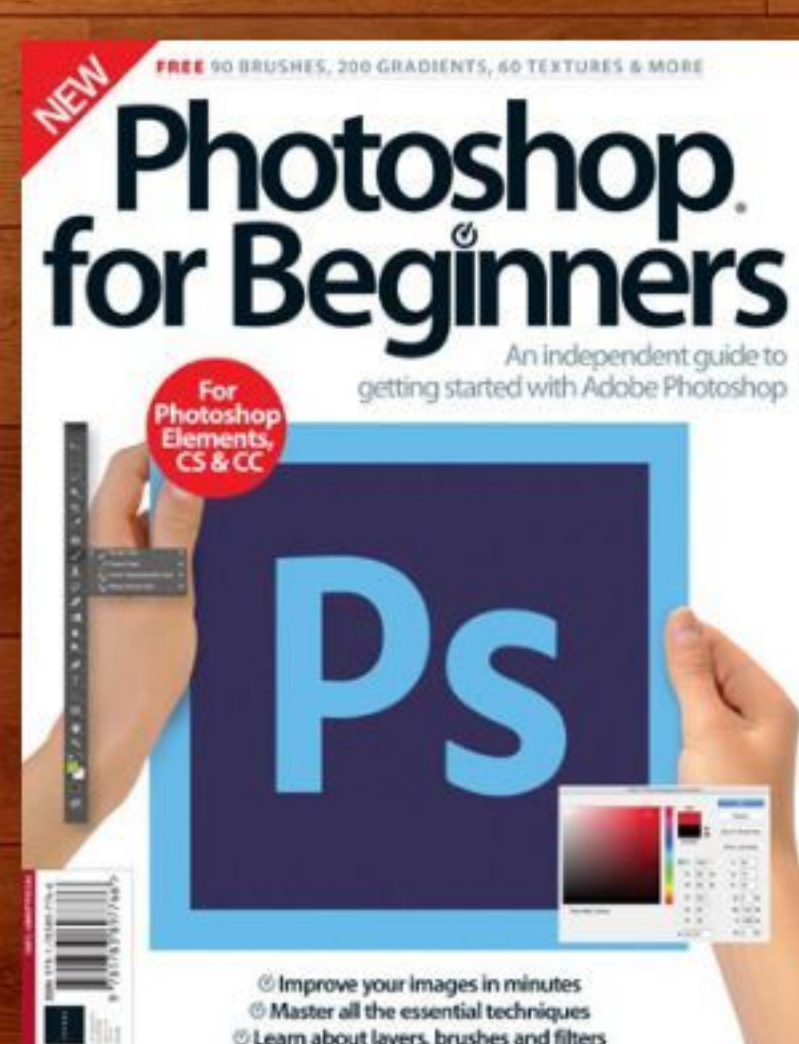
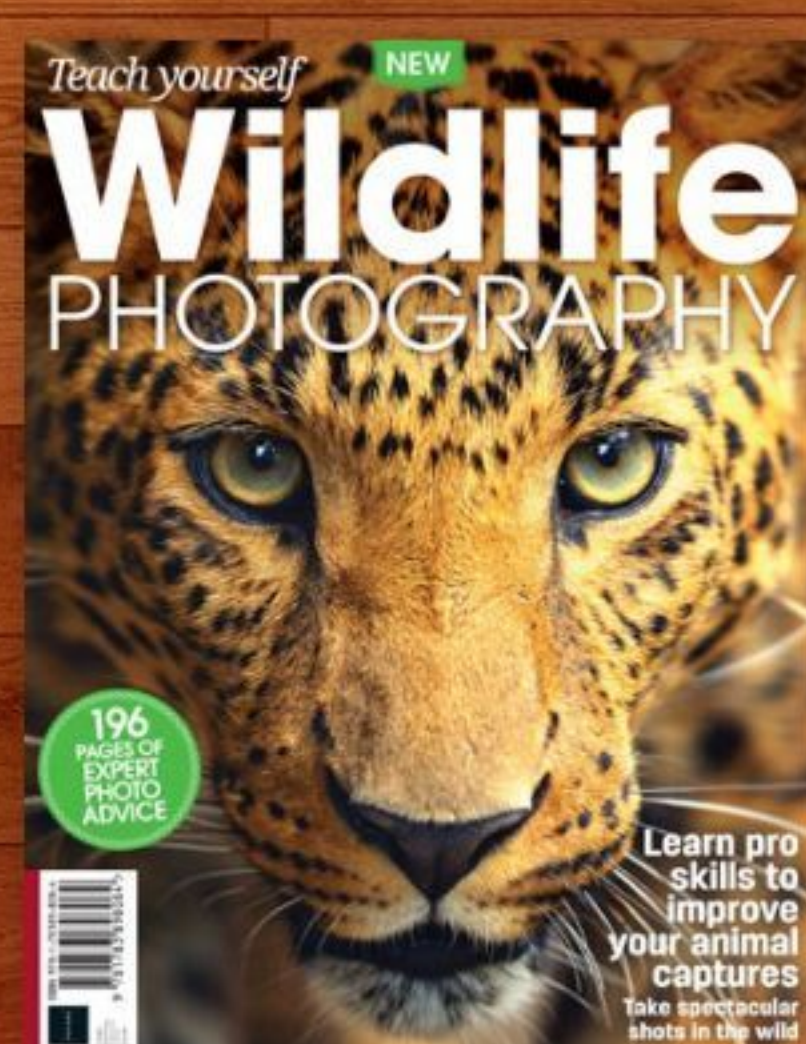
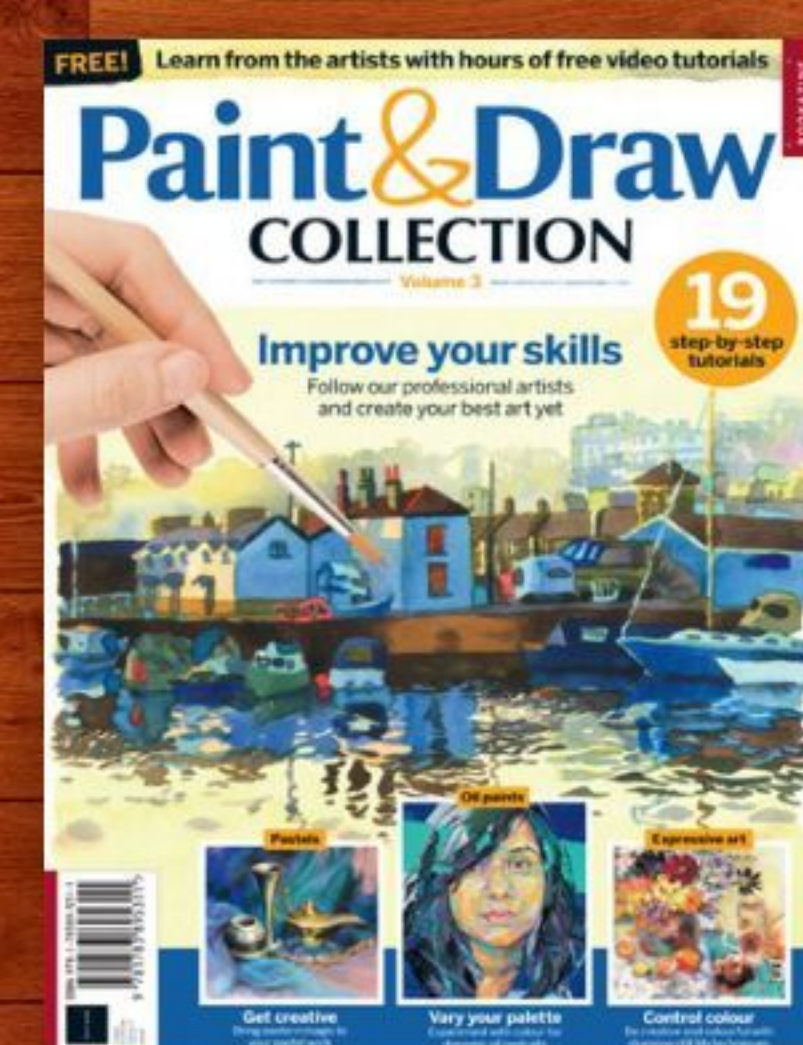
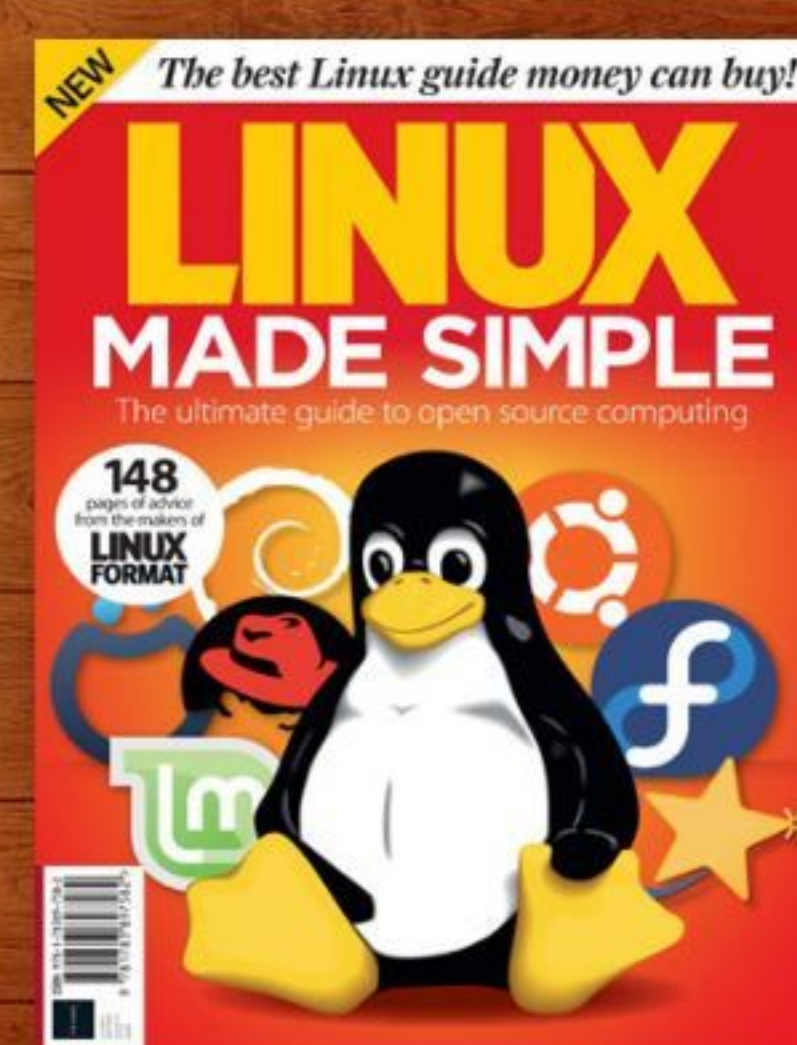
5 HITLER COMMITS SUICIDE

Deep beneath the Reich Chancellery, Hitler commits suicide in the Führerbunker at 3.30pm on 30 April. Eva Braun, his longtime mistress whom he married hours earlier, dies with the Führer. Their corpses are doused with gasoline and set aflame in the garden of the Reich Chancellery.



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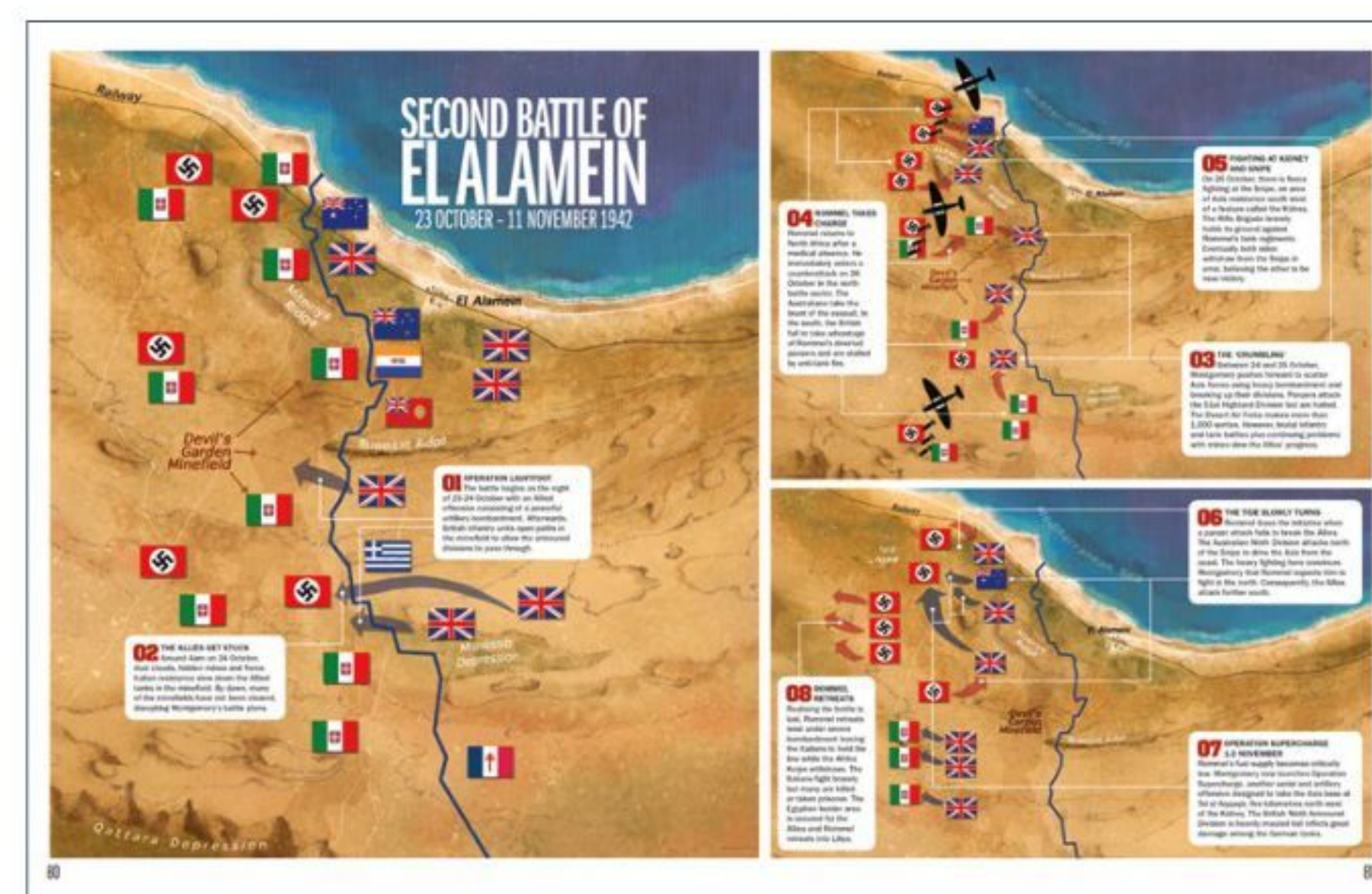
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